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# CHAPEL'S SEED STORE

39 East Third Street, Williamsport, Pa.

Everything for Farm, Garden and Lawn

1935 •

**BENDER'S SURPRISE**

**A High Quality Melon**

**Popular in Penn. and N.Y.**

(See Page 35 for description)







A good lawn beautifies your home, and adds greatly to its commercial value

## CHAAPEL'S CLOVER LAWN GRASS SEED

Recleaned and tested seed, weighing 30 pounds to the bushel

Our mixture absolutely can be relied on as being made up of the finest quality of grass seed obtainable, free from weed seeds, chaff or fallow and of the very best and highest germinating qualities. It is a special mixture of grasses that do best in our soils. The increasing demand for a lawn seed having a larger proportion of White Clover induced us to offer this mixture which contains a most liberal quantity of best recleaned White Clover. While primarily made up for normal locations, it contains certain grasses that will thrive on partially shady places. Sow 1 quart to 200 square feet (10 x 20 ft.). **Pt. 30 cts., qt. 50 cts. (postpaid 60c), 2 qts. 90 cts., 4 qts. \$1.75, pk. \$3.25, bus. (30 lbs.) \$12.00. Postage extra**

## CHAAPEL'S SHADYGREEN LAWN SEED

While it is impossible to maintain a permanent lawn in certain shady locations, such as under soft maple trees, we have combined in this mixture certain grasses that are more resistant to these harsh conditions. We recommend this mixture to be especially prepared for shady locations. Sow 1 quart to 200 square feet (10 x 20 ft.). **Qt. 65 cts., 2 qts. \$1.20, 4 qts. \$2.25, pk. \$4.25, bus. \$15.00.**

**FANCY WHITE DUTCH CLOVER.** Valuable for new or old lawns; easy to grow on all soils. **¼ lb. 20 cts., ½ lb. 35 cts., lb. 60 cts., postpaid.**

## CHAAPEL'S LAWN GRASS SEEDS

Besides supplying lawn seeds for the home, mixed from the best grasses obtainable for your locality, we specialize in supplying grass seed for private estates, public parks, and golf courses, either after our own or individual formulas. Our genuine Bent Grass is unsurpassed for putting-greens and other places where landscape architects specify it. Correspondence solicited. Quantity quotation on request. Ask for our folder on Swedish Peat Moss for Lawns.

Fertilizers are necessary in making a good lawn

**CHAAPEL'S SEED STORE . . . . . Williamsport, Pa.**



1877  
1935

# CHAAPEL'S 1935 CATALOGUE

58  
Years

The Oldest Seed Store in Central Pennsylvania

For 58 years we have served the public in our territory; handling the finest quality Seeds and Bulbs, also supplies for the Gardener, Farmer, Dairyman and Poultryman. In fact—

## EVERYTHING FOR THE GARDEN, LAWN AND FARM

We are proud of our record and will strive to merit your continued patronage by prompt and efficient service.

**WE MAKE THOROUGH VITALITY TESTS OF ALL OUR SEEDS.** This insures that seeds **will germinate** and **grow** if soil and weather conditions, over which we have no control, are not destructive after planting.

**NON-WARRANTY.** Chaapel's Seed Store give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants they sell and will not be responsible for the crop. If the customer does not accept the goods on these terms, they are at once to be returned and the amount paid for them will be refunded.

**Importance of Ordering Early.** Before the rush season begins we can give you better service, for our stocks will then be complete. Being sold out of some varieties entails correspondence and delays, so on receipt of this catalogue make out your order and mail it to us immediately.

**MAKING OUT ORDERS.** Be sure to use the order sheet and follow directions given.

**PRICES.** The prices quoted in this catalogue are net, and not subject to discount. Where prices are quoted postpaid, they apply only to the first and second postal zones from Williamsport.

Our years of experience enables us to pack carefully, ship promptly and guarantee safe arrival of all orders.

Chaapel's Seed Store wants your business this year and your good will for future business and we feel confident our efforts will assist you in raising better crops and give you a feeling of good will towards "Chaapel's."

Our store at 39 E. Third Street is centrally located and you are always welcome to make the store your headquarters.

## CHAAPEL'S SEED STORE

R. C. CHAAPEL, Mgr.  
HARRY CHAAPEL  
P. A. McGOWAN

**WILLIAMSPORT, PENNA.**

Look at the Index. It's easy to find what you want

SEE LAST PAGE OF CATALOGUE



**The Home of Chaapel's Seed Store**  
39 East Third Street

Warehouses for the storage of Seeds, Fertilizers, Farm Implements, and Poultry Feeds situated at 40 East Willow Street, and Canal and State Streets.

## GARDENERS AND TRUCKERS

growing vegetables for the retail and wholesale trade represent a very important group. They not only require seeds of good germination, but of strains representing the several types required; besides supplies of all kinds, Fertilizers, Spray Materials, Machines of various types, Fruit and Berry Baskets. We aim to please and therefore put forth every effort to carry in stock HIGH GRADE Seed and Supplies that the Vegetable Grower may need.

## CHAAPEL'S SEED STORE

39 East 3rd St. Williamsport, Pa.

# The Home Garden

**Plan Your Garden Early.** Plenty of fresh, crisp vegetables from your own garden each morning reduces your grocery bill, as well as giving you health and strength. Plant a liberal assortment of **easily** grown annuals and perennials and beautify your home with an abundance of flowers all summer and fall. Plant plenty of bulbs of Gladioli, Cannas, Dahlias, etc.

Try gardening this year for health and profit.

**No vegetables ever come to the home table like those gathered fresh from the home garden**

It's a common saying that a good garden furnishes one-half the food of a family. This is true or false as we interpret the term "good garden." A real garden is supposed to supply fresh vegetables in abundance during the growing season, a surplus for canning.

**Note our special reduction** on Flower and Vegetable Seeds in assorted packets of your selection in one order as follows:

**10c pkts. Assorted, your selection, 5 pkts. or more, at 7c each.**

**15c pkts. Assorted, your selection, 5 pkts. or more, at 12c each.**

In ordering pkts. offered above, use the net amount on order sheet.

Dealers and Market Gardeners please write for quantity price.

## OUR OWN BULK SEEDS

Sometimes customers ask "Do you have loose or bulk seeds?" Sure! Our seeds are produced by practical seed-growers, largely in the Western States, including California. After harvest they are shipped to us in bulk. In the winter months we put them up in attractive packages, carefully labeled, ready for our customers.

**How to Order Seeds by Parcel Post.** We earnestly advise that all light shipments go by Parcel Post whenever possible. We will pay postage on all small seeds in packets, and in bulk up to 1/4 pound, anywhere in the United States. Up to 70 pounds, we can send seeds in any quantity. **Within the First and Second Zones from Williamsport, add to your remittance for postage as follows: 1-pound orders, 8 cents; for each additional pound, 1 cent.** For rates to other Zones, inquire of your postmaster. **The necessary postage must be sent with the order.**

**EXPRESS AND FREIGHT SHIPMENTS.** We can send them collect and you can pay the transportation charges on delivery.

**HOW TO SEND MONEY.** Remittances should be made by Post Office Money Order, Express Money Orders, Drafts, or Checks.

**CASH WITH ORDER.** Customers will please remit when ordering.

**PLEASE USE ORDER SHEET—PRINT NAME AND ADDRESS PLAINLY**





## POPULAR FLOWER SEEDS

Each year the interest in flowers for garden and home decoration increases and more people turn to the growing of flowers for recreation and pleasure. Flower-lovers will find a number of new varieties in our lists this year, as well as all of the old friends. We have devoted most of our attention to the "annuals," that is, the kinds which grow, produce flowers, mature and die the same season, since these are generally found most satisfactory in the average garden. Among the annuals are flowers for every purpose, tall and low-growing, trailing and climbing, for cutting and for garden display. All Flower Seeds are sent post-paid to your door.

### NOVELTIES AND NEW VARIETIES

ASTER—LOS ANGELES  
 ASTER—GOLDEN SHEAF  
 ANTIRRHINUM—RUST PROOF  
 CALENDULA—SUNSHINE  
 COSMOS—ORANGE FLARE  
 DIGITALIS—THE SHIRLEY

DELPHINIUM—WHITE  
 LARKSPUR—ROSAMOND  
 LARKSPUR—BLUE BELL  
 NASTURTIUM—GOLDEN GLEAM  
 NASTURTIUM—SCARLET GLEAM  
 NASTURTIUM—GLEAM HYBRIDS

PETUNIA—PINK GEM  
 POPPY—DOUBLE CARDINAL  
 VENIDIUM—FASTUOSUM  
 ZINNIA—MIDGET  
 ZINNIA—SCABIOSA FLOWERED  
 ZINNIA—FANTASY

### HARDY PERENNIALS—VARIETIES FOR ROCK GARDEN MARKED \*

There are a number of perennial varieties that will bloom the first season if sown very early; other varieties should be sown later, giving a continual riot of color year after year. Your attention is called to these extra good perennials which are described in the following pages. Find them in the index.

\*Alyssum saxatile compactum  
 Aquilegia (Columbine)  
 \*Armeria (See Pink; Thrift)  
 \*Arabis (Rock Cress)  
 \*Aubrietia (Rainbow Rock Cress)  
 Anchusa, Dwarf Blue  
 Agrostemma  
 \*Bellis (English Daisy)  
 Canterbury Bells  
 \*Carnation, Marguerite  
 \*Carnation, Chabaud's Giant  
 \*Cerastium (Snow in Summer)

Chinese Lantern Plant  
 Coreopsis lanceolata grandiflora  
 Daisy, Shasta  
 \*Dahlia, Dwarf  
 Delphinium (Larkspur)  
 Digitalis (Foxglove)  
 \*Dianthus (Pinks)  
 \*Forget-me-not (Myosotis)  
 \*Geum Mrs. Bradshaw  
 Gaillardia (Blanket Flower)  
 Gypsophila (Baby's Breath)  
 \*Heuchera (Coral Bell)

\*Helianthemum (Rock Rose)  
 Hollyhock  
 Honesty (Satin Flower)  
 \*Iberis (Candytuft)  
 \*Lamb's Ear (Lantana)  
 \*Linum (Perennial Flax)  
 Lupine (Polyphyllus)  
 Nepeta Mussini  
 \*Penstemon  
 Poppy, Oriental  
 \*Pyrethrum roseum  
 \*Rock Garden Mixture

\*Sweet William  
 \*Statice (Sea Lavender)  
 \*Sedum  
 \*Saxifraga  
 Salvia Blue  
 Sidalcea  
 \*Saponaria  
 \*Tunica  
 \*Viola  
 \*Valeriana  
 \*Wallflower

### ANNUALS—VARIETIES FOR THE ROCK GARDEN ARE MARKED \*

Antirrhinum  
 \*Anchusa Dwf.  
 \*Arctotis  
 \*African Daisy  
 \*Ageratum  
 \*Alyssum  
 Aster  
 Baby's Breath  
 Bachelor's Button  
 Balsam  
 Calendula  
 \*California Poppy  
 Calliopsis

\*Candytuft  
 Cardinal Climber  
 \*Carnation  
 Castor Oil Bean  
 Celosia  
 Chrysanthemum  
 Clarkia  
 Cockscomb  
 Cornflower  
 Cosmos  
 \*Dianthus  
 \*Eschscholtzia  
 Forget-me-not

Four O'clock  
 \*Godetia  
 Gaillardia  
 Gourds  
 Gypsophila  
 Helianthus  
 Helichrysum  
 Hyacinth Bean  
 \*Ice Plant  
 Ipomea  
 Kochia  
 Kudzu Vine  
 Lady Slipper

Latana  
 Larkspur  
 \*Linum  
 \*Lobelia  
 Lupine  
 Marigold  
 Marvel of Peru  
 Mexican Fire Bush  
 Mignonette  
 Morning Glory  
 \*Nasturtium  
 Nicotiana  
 \*Nigella

\*Pansies  
 \*Petunia  
 \*Phlox Drummondii  
 \*Pinks  
 Poppy Annual  
 \*Portulaca  
 \*Rock Garden Mixture  
 Salpiglossis  
 Scarlet Sage  
 Scabiosa  
 Scarlet Runner  
 Snow On The Mountain

Statice  
 Stocks  
 Strawflower  
 Sunflower  
 Sweet Peas  
 Sweet Sultan  
 \*Sweet Wivelsfield  
 \*Verbena  
 Venidium Fastuosum  
 Wild Flower Garden  
 \*Zinnias

Most all of these are offered in 10 ct. pkts. Also in bulk at very low prices.

All varieties not designated by HP are annuals, blooming the first season.

Hardy Perennials are Designated by HP—Half-Hardy HHP

### FERTILIZERS MAKE FLOWERS GROW AND BLOOM

Most annual flowers, due to their short season of growth and profuse bloom, are heavy feeders and require an abundance of a quick-acting fertilizer. Nitrate of Soda and Sheep Manure are particularly adapted for this class of plants. The Sheep Manure should be applied at the time of planting; the Nitrate of Soda several times during the season. The perennial plants are slower growers and for that reason the less active fertilizers, such as Bone-Meal and our Special Garden Fertilizer, meet their requirements. Either should be applied at time of planting and supplementary applications should be made during the life of the plant. For prices see page 51.

Look at the Index. It's easy to find what you want.

SEE LAST PAGE OF CATALOGUE



# "All American" Selection of Flower Specialties and Novelties

The new flower specialties are offered because of their outstanding merits, and to promote interest in the really worth while new varieties.

## NASTURTIIUM—DOUBLE SCARLET GLEAM

Individual double blooms of fiery orange scarlet, almost 3 in. across. The sweet fragrance is very pronounced and the double flowers more uniformly well formed. Plants are semi-dwarf, bearing numerous flowers on long wiry stems. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.00.

## NASTURTIIUM—DOUBLE GLEAM HYBRIDS

*(The Gold Medal Flower)*

The hybrids are a collection of gorgeously colored, large, well formed double flowers of dazzling beauty. Glorious double flowers in salmon, golden yellow, orange scarlet, cerise, cream, orange and crimson on upright stiff stems, abound in profusion. Plants semi-dwarf, easily grown in the garden. Fragrant. Pkt. 20 cts., 1/8oz. 60 cts.

## ASTER—SUPER GIANT LOS ANGELES

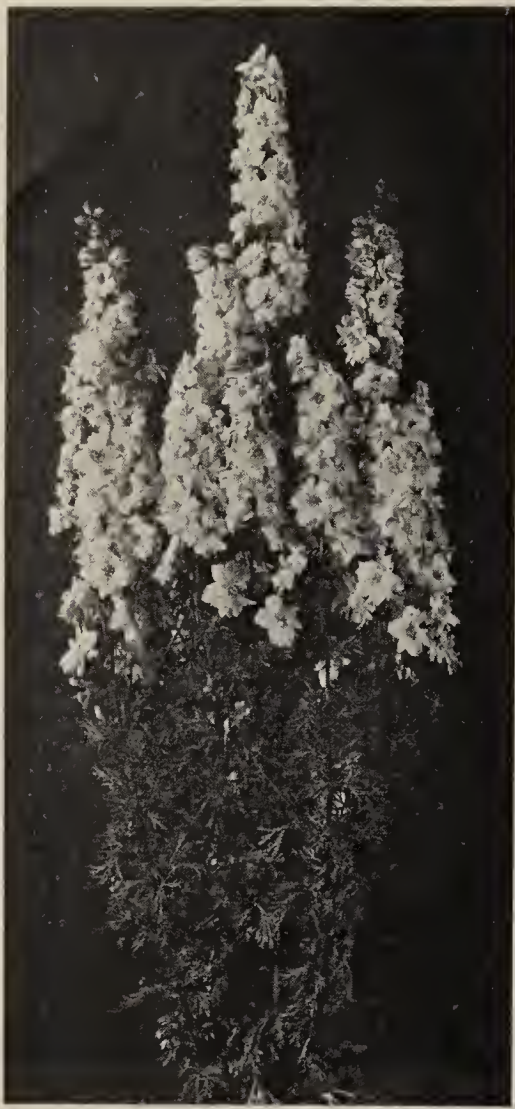
**Award of Merit by All American Selections Committee**

The first variety of this giant race. The color is a serenely pure shell pink, in flowers which are full petaled, deep and unusually large, yet artistically graceful in feathery effect of the interlacing petals. Height 2 1/2 ft. Pkt. 20 cts., 1/8oz. 50 cts.

## ASTER—WILT RESISTANT "GOLDEN SHEAF"

The deepest yellow aster yet offered, free flowering and the only yellow Wilt Resistant. Large full flowers with quilled centers and outer band of broad petals. Fine for cutting. Pkt. 25 cts., 1/8oz. 60 cts.

**SPECIAL OFFER**—Your selection from these two pages of All American and Flower Novelties. One 10c pkt., One 20c pkt., and One 25c pkt., all three for 45c. Two collections 80c.



Delphinium Elatum Iceberg

## DELPHINIUM—ELATUM "ICEBERG"

A pure white Delphinium coming true from seed. Full double flowers on 20 in. spikes. Excellent for cutting and a fine hardy border plant. Pkt. 25 cts., 1/8oz. 60 cts.

## LARKSPUR—GIANT IMPERIAL "BLUE BELL"

Blue Bell is a fine medium blue Larkspur, deeper than Sky Blue, having long spikes of double flowers carried on stems 4 to 5 ft. long. An upright plant wonderful for cut flowers. Pkt. 10 cts., 1/8oz. 25 cts.

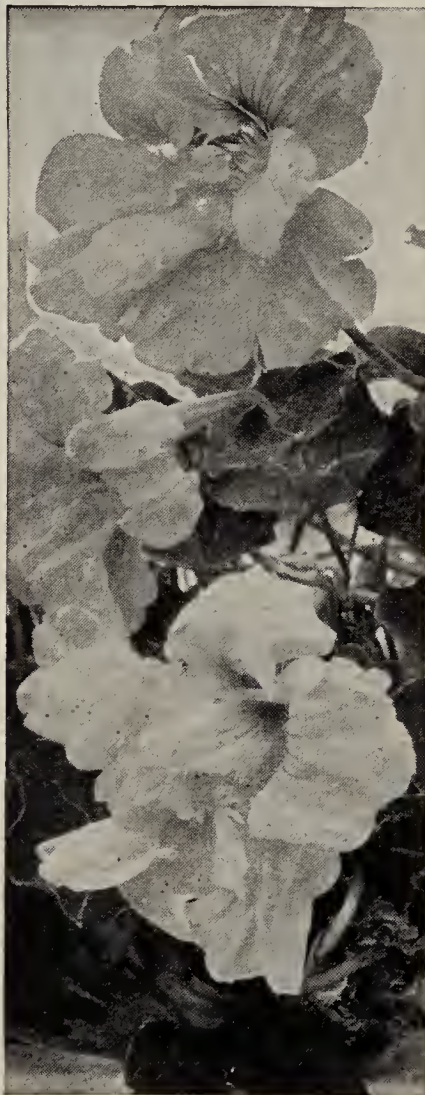
## LARKSPUR—STOCK FLOWERED "ROSAMOND"

**All American Selection**

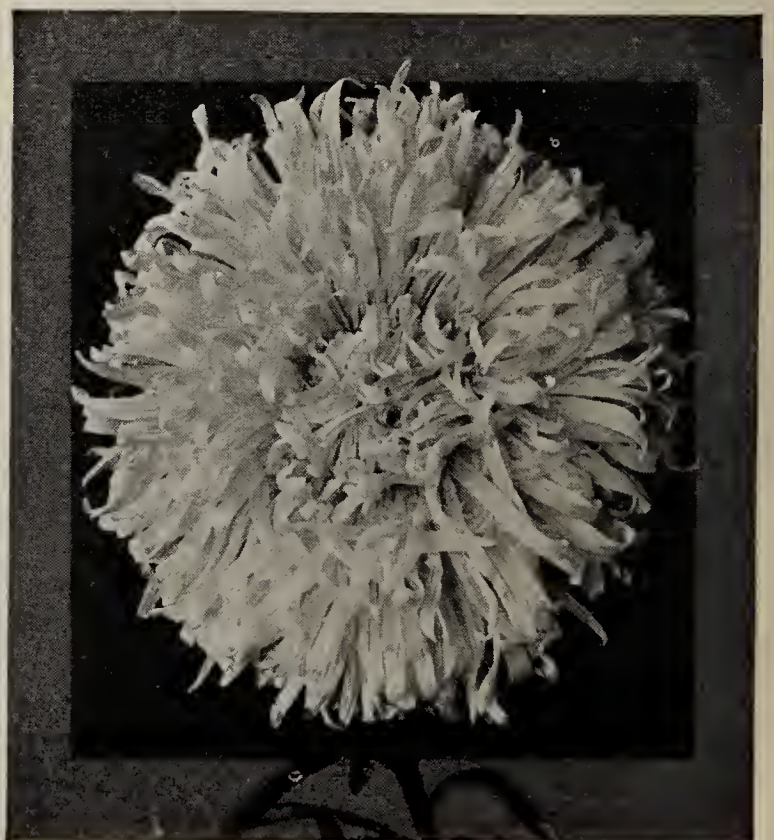
A striking new Larkspur with a distinctly deep bright rose color, having the rare quality of holding its pure rose color. Four feet high with numerous spikes covered with full double flowers. Pkt. 15 cts., 1/8oz. 25 cts., 1/4oz. 40 cts.

## RUST PROOF ANTIRRHINUMS (Snapdragons)

Rust Proof Snapdragons have been subjected to the most rigid tests on rust infested grounds and have produced over 75% of the plants absolutely immune. They are free bloomers having long spikes full of large beautiful flowers. **Mixed colors.** Pkt. 25 cts., 1/8oz. 65c.

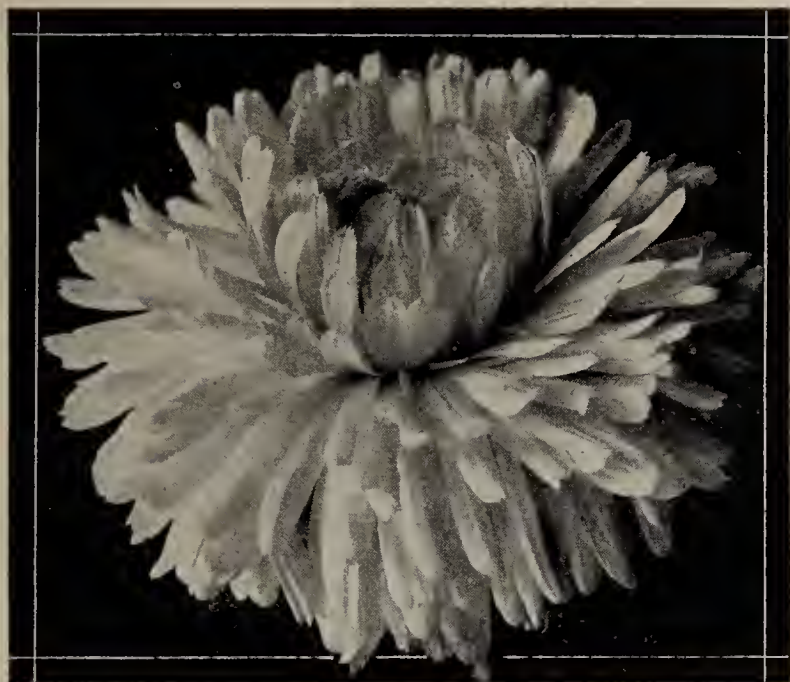


Double Gleam Nasturtium



Aster, Super Los Angeles





**Calendula Sunshine**

# Have these "All American" Winners In Your Garden

## CALENDULA—"SUNSHINE"

*All American Gold Medal Winner*

2 ft. tall with rather light and graceful foliage. Flowers are a bright golden canary yellow, with the center petals curled inward somewhat resembling Chrysanthemums. Pkt. 10 cts., 1/4oz. 35 cts.

## COSMOS—EARLY KLONDYKE "ORANGE FLARE"

Brilliantly hued flowers of orange, with attractive light green foliage. An early variety which blooms in less than five months. Pkt. 10 cts., 1/8oz. 25 cts.

## DIGITALIS—THE SHIRLEY

A giant Foxglove growing from 3 to 4 ft. high. The large flowers with spotted throats are especially attractive. A distinctively new variety. **Mixed colors.** Pkt. 10 cts., 1/8oz. 25 cts., 1/4oz. 40 cts.

## ZINNIA—FANTASY MIXED

The rounded flowers are composed of a mass of shaggy ray-like petals which give a delicate and refined appearance to the medium sized double flowers. Large enough to satisfy the desire for mass of color, yet small enough to lend themselves gracefully to flower arrangement. The color range includes red, orange, pink, yellow and cream. Pkt. 25 cts., 1/8oz. 60 cts.

## ZINNIA—MIDGET OR TOM THUMB MIXTURE

The dwarfest of all Zinnias. Plants are rounded and compact 4 to 6 in. high completely covered with well formed flowers of the Lilliput type. Adapted for window box and pot work. The mixture includes colors of red, orange, yellow, pink and rose. Pkt. 15 cts., 1/8oz. 25 cts.



**Scabious Zinnia**

## POPPY—DOUBLE CARDINAL

Very large flowers daintily fringed, fully round and double. Plants are somewhat shorter than the carnation poppy, yet very graceful. Colors are striking. **Mixed.** Pkt. 10 cts., 1/8oz. 15 cts.

## GODETIA—DOUBLE AZALEA FLOWERED

Showy garden annuals Godetias of compact growth, about 1 foot high, bearing freely flowers 3 to 4 inches across, of exquisite colors and shades that glisten in the sunlight like satin. Splendid either bedded or grown in pots. Pkt. 10 cts., 1/8oz. 20 cts.



**Godetia Double Azalea Flowered**

## ZINNIA—SCABIOUS FLOWERED (Annual)

Really a curiosity, the outer row of petals are long and large, while the inner rows are short and tubular, giving the flower the appearance of a Scabiosa. The plants grow three feet in height and are crowded with flowers. Pkt. 25 cts., 1/8oz. 50 cts.

## PETUNIA—PINK GEM

*All American Gold Medal Winner 1934*

A neat compact plant six inches high covered with two inch flowers in shades of deep pink. A new miniature Petunia for the rockery or border. Pkt. 15 cts., 1/8oz. 40 cts.

## VENEDIUM FASTUOSUM (Monarch of the Veldt)

**Award of Merit All American Selections**

Large deep orange daisy-like flowers, 4 to 5 in. across with reddish brown disc at the base of petals and purplish black center. A new African Daisy. Pkt. 10 cts., 1/8oz. 35 cts.





Sunshine Aster

### IMP. NEW GIANT SUNSHINE ASTER

The flowers have long, wavy petals and a cushion center of small, feathery quills of a different shade. Plants sturdy and strong, with long, stiff flower-stems. **Mixed colors.** Pkt. 10 cts., 1/8oz. 35 cts.

### GIANT CREGO OR COMET ASTER

The twisted and curled petals give the flower the appearance of a huge, flat chrysanthemum. Flowers often 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. **White, Shell-Pink, Crimson, Lavender, Purple, Mixed.** Pkt. 10 cts., 1/8oz. 35 cts.

### AMERICAN BRANCHING ASTER

An Aster selected for its large double chrysanthemum-like blooms borne on long stiff stems. Plants grow from 2 1/2 to 3 ft. high. **Mixed colors.** Pkt. 10 cts., 1/8oz. 30 cts.

### NEW SUPER GIANT LOS ANGELES ASTER

A new race of Asters which promises to supersede all other strains for size and cut-flower use. Received Award of Merit, 1934 All-American selections. Fully described on page 4. Pkt. 20 cts., 1/8oz. 50 cts.

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**TOBACCO DUST** added to the soil when transplanting Asters, at the rate of about one ounce to the plant, aids in controlling root aphids. See page 17.

## Be Assured of Success with Wilt Resistant Asters

The most noted advance in Aster growing is the development of a new Wilt Resistant Strain, assuring amateur growers as well as florists beautiful blooms. The Asters listed below, with few exceptions, are bred for resistance to the Fuseriam Wilt and are absolutely immune to it.

### AMERICAN BEAUTY ASTER

We have noted with pleasure the steadily increasing popularity of the Beauty type Aster as a florists' flower. The colors are good, and their keeping qualities unsurpassed. They are excellent shippers and are rapidly superseding American Branching for general use.

The Early Beauties flower with the Crego and American Branching types, from early July until frost. The plants are from 2 1/2-3 feet, with long, stout stems bearing large well formed flowers. **White, Crimson, Peach Blossom, Dark Lavender, Purple, Mixed.** Pkt. 10 cts., 1/8oz. 40 cts.

### GOLDEN SHEAF

The deepest yellow aster yet offered, free flowering and Wilt Resistant. Large full flowers with quilled centers; outer band of broad petals. Fine for cutting. Described on page 4. Pkt. 25 cts., 1/8oz. 60 cts.

### IMPROVED GIANTS OF CALIFORNIA

#### Curled and Interlaced

Characterized by the well-known Crego or Comet type of flower, combined with the Beauty Aster's long, non-lateral branching stems and sturdy habit of growth. This type of Aster stands at the head of the list, not only for florists' use, but also for private gardens where quality is appreciated.

The large flowers are borne on long stems. The plants grow from 2 1/2-3 feet, blooming from early July until frost. Finest **Mixed, all colors.** Pkt. 15 cts., 1/8oz. 45 cts., 1/4oz. 80 cts.



American Beauty Aster



# Lovely Border Flowers

## AFRICAN GOLDEN DAISY

An extremely showy annual Daisy from South Africa. The bushy plant grows 12 inches high, and the flowers, which are 2½ inches across, are a rich glossy orange-yellow, with dark disc and halo. Blooms continuously. Pkt. 10 cts., ⅛oz. 20 cts.

## AGERATUM—FLOSS FLOWER

**Blue Perfection.** Valued for its pretty, deep lavender-blue flowers which are borne in great profusion. Height, 1 foot. Pkt. 10 cts., ¼oz. 30 cts.

**Blue Cap.** A new miniature ageratum of compact growth literally covered with a continuous bloom. 6 inches. Pkt. 10 cts., ⅛oz. 25 cts., ⅜oz. 40 cts.

## AGROSTEMMA—ROSE CAMPION MULLEIN PINK HP

**Coronaria.** An attractive free-flowering hardy perennial of easy culture, producing glowing crimson flowers like a single pink, and silvery white foliage. Blooms the first season. Fine for cutting. Height, 2 feet. Pkt. 10 cts., ¼oz. 25 cts.

## ALYSSUM

**White Carpet.** Dwarf, compact plants, densely covered with large, pure white flowers. Height, 4 inches. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

**Little Dorrit.** A perfect little bush 4 inches high smothered with miniature white flowers. Pkt. 10 cts., ⅛oz. 15 cts., ¼oz. 25 cts.

**Sweet.** The popular old-fashioned sort, the best for broad edges and vases; pure white. Height, 6 inches. Pkt. 5 cts., ¼oz. 15 cts., oz. 40 cts.

## HARDY ALYSSUM— BASKET OF GOLD HP

**Saxatile compactum.** Golden Tuft. A useful little border and rockery plant growing not over 12 inches high, covered with enveloping flat clusters of bright golden yellow flowers early in summer. Pkt. 10 cts., ⅛oz. 25 cts., ¼oz. 40 cts.



Blue Cap Ageratum

## ARMERIA—SEA PINK; THRIFT HP

**Lauchiana.** A very pretty edging plant, bearing rosy pink flowers. Height, 1 foot. Pkt. 15 cts.

## AUBRIETIA—RAINBOW ROCK CRESS HP

Pretty, dwarf-growing plants suitable for the rockery or for the edge of the border. They form masses of silvery green foliage and sheets of various colored flowers in spring and early summer. **Mixed.** Pkt. 15 cts., ⅛oz. 50 cts., ⅜oz. 85 cts.

## ARCTOTIS GRANDIS

**Blue Eyed African Daisy.** A useful and charming cut-flower from June till frost, lasting a week in water. The daisy-like flowers are glistening white but variegated by the under-surface of pale lilac-blue. Grows 2 to 3 feet. Annual. Pkt. 10 cts., ⅛oz. 20 cts., ¼oz. 35 cts.



Arabis, Rock Cress

## ANCHUSA

**Capensis.** Cape Forget-Me-Not. Fine, free growing hardy annual, 18 inches high with lovely sprays of light blue flowers appearing early and continuing profuse blooming all summer long. Pkt. 10 cts., ¼oz. 15 cts., ½oz. 25 cts.

## ARABIS—ROCK CRESS HP

**Alpina.** A hardy perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequaled for rockeries or edging; withstands the drought and is always neat. Height, 6 inches. Pkt. 10 cts., ¼oz. 25 cts., ½oz. 40 cts.

## BLUE LACE FLOWER (*Didiscus coerulea*)

Annual. Carried on stems 2 feet long are broad, lace-like heads composed of many delicate light blue flowers. Blooms from June until September. Pkt. 10 cts., ⅛oz. 30 cts.



Little Dorrit Alyssum



# Flowers for Cutting

## BALSAM—LADY'S SLIPPER

An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliantly colored, double flowers in the greatest profusion; of easy culture. Annual. **Choice Mixed Colors.** Pkt. 10 cts., 1/4oz. 25 cts., 1/2oz. 40 cts.

## BLANKET FLOWER—GAILLARDIA

The heads of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow, and orange. Height, 1 1/2 feet.

**Indian Chief.** An elegant, showy single-flowering annual variety with metallic red petals, surrounding a mahogany-brown center. Large and free blooming. Pkt. 10 cts., 1/4oz. 25 cts., 1/2oz. 45 cts.

**Hardy Perennials, Mixed.** Pkt. 10 cts., 1/4oz. 25 cts., 1/2oz. 45 cts.

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.

## BACHELOR'S BUTTONS OR CORNFLOWER

The new double Cornflowers, or Bachelor's Buttons, make most excellent flowers for both the bouquet and garden. The flowers are double, of good clear colors, and with long, graceful stems for cutting. Annual.

**Double Blue.** Clear cornflower blue. Pkt. 10 cts., 1/4oz. 25 cts.

**Double Rose.** A beautiful deep pink, flowering freely in almost any situation. Pkt. 10 cts., 1/4oz. 25 cts.

**Double, Mixed Colors.** All shades. Pkt. 10 cts., 1/4oz. 15 cts., 1/2oz. 25 cts.

## CHRYSANTHEMUM

**Single Annual.** Blooming profusely from early summer until frost, they are most effective and showy. The bright-colored daisy-like flowers are useful for cutting, lasting well in water. Height, 1 to 1 1/2 feet.

**Single Mixed.** Pkt. 10 cts., 1/2oz. 25 cts., 1 oz. 45 cts.



Gaillardia, Blanket Flower



Centaurea

## CHINESE LANTERN PLANT

(*Physalis Francheti*) HP

A very highly interesting hardy perennial plant growing 2 feet high, covered with bright orange-scarlet fruits resembling Chinese lanterns. These fruits may be cut and dried for winter bouquets. Pkt. 10 cts., 1/4oz. 40 cts., 1/2oz. 70 cts.

## CLARKIA

Produce erect bushy specimens 2 feet high. The upright branches, slightly drooping, bear quantities of delicately colored double flowers, resembling small carnations, strung axially along the stems.

**Double Mixed.** Pkt. 10 cts., 1/4oz. 30 cts., 1/2oz. 50 cts.

## HARDY COREOPSIS HP

**Lanceolata grandiflora.** Beautiful hardy perennials that grow 15 to 18 inches high and produce their golden yellow flowers in great profusion. Easily grown from seed, flowering the first year if sown early. Pkt. 10 cts., 1/4oz. 25 cts., 1/2oz. 40 cts.

## ANNUAL CALLIOPSIS

**Tall, Mixed.** Contains large and small flowered varieties in many bright colors. Height, 2 to 3 feet. Pkt. 10 cts., 1/4oz. 20 cts.

**Dwarf, Mixed.** Yellow, orange, and mahogany, and tiger-flowered plants of dwarf growth. Height, 15 in. Pkt. 10 cts., 1/4oz. 20 cts.

## CASTOR-OIL BEAN—RICINUS

Plants of stately growth and picturesque foliage, brilliant colored fruit, producing an oriental effect. Height, 8 to 12 feet. Pkt. 10 cts., 1/2oz. 15 cts.

We sell only the best grade of seed, tested for purity and vitality—put up in liberal quantity in beautifully colored lithographed packets with reliable directions for culture. Garden flowers in color, see description, page 12.



Single Annual Chrysanthemum



# New Types of Favorite Cosmos

**Early Klondyke Orange Flare.** A new gorgeous orange yellow flower with foliage coarsely lacinated. Blooms in 5 months. (See page 5). Pkt. 10 cts., 1/8oz. 25 cts.

**Extra-Early Giant, Mixed.** Seed sown early will produce plants covered with fine flowers two months before the late flowering kinds. Pkt. 10 cts., 1/4oz. 20 cts., oz. 60 cts.

**Double-Crested Mixed.** A new and distinct type of early, large-flowering Cosmos, the center being full double, giving a crested effect. A well-balanced mixture. Pkt. 15 cts., 1/8oz. 35 cts.

## CANTERBURY BELLS HP

**Campanula calycanthem.** The true Cup-and-Saucer Canterbury Bells. White, Pink, Blue. Pkt. 10 cts., 1/8oz. 30 cts., 1/4oz. 50 cts.

**Campanula medium** (Single Canterbury Bells). **Mixed.** The old-fashioned sorts, with beautiful, large, bell-shaped blossoms. Height, 2 feet. Pkt. 10 cts., 1/4oz. 35 cts., 1/2oz. 60 cts.



Long Spurred Columbine

## SILVERY CERASTIUM HP

**Tomentosum.** (Snow-in-Summer). Silvery white foliage; abundance of snow-white flowers. 4 inches high. Perennial. Pkt. 10 cts., 1/8oz. 20 cts., 1/8oz. 35 cts.

## CYNOGLOSSUM FORGET-ME-NOT

**Amiable Chinese.** An annual of easy culture, forming strong bushy plants 1 1/2 feet high and producing sprays of intense blue and white forget-me-not flowers throughout summer. Sow outdoors in May. Pkt. 10 cts., 1/2oz. 25 cts.

**Rosea.** Dwarf globular plants 8 inches high, completely covered with deep pink blooms. Best variety for borders and pots. Annual. Pkt. 10 cts., 1/8oz. 50 cts.

## COCKSCOMB OR CELOSIA

As showy and attractive an annual as can be imagined, of decidedly odd appearance. Good for the garden and for cutting.

**Glasgow Prize.** Immense, showy, dark crimson combs. Height, 1 foot. Pkt. 10 cts., 1/8oz. 35 cts.

**Pride of Castle Gould.** Enormous plumes which are attractively curled in much the same way as ostrich feathers to which they could be likened. Colors include brilliant shades of pink, orange, and crimson. Annual. Pkt. 10 cts., 1/8oz. 25 cts.

### SACCO AND VIGORO PLANT-FOOD MAKES THINGS GROW

These Plant-Foods are specially prepared fertilizer that supplies every necessary element for healthy plant-growth—Nitrogen, Phosphates, and Potash combined in exactly the right proportion. They produce truly amazing results with few applications. See page 51 for prices, etc.



Coreopsis (Page 8)

**Campanula medium** (Double Canterbury Bell). Lovely double bells on tall stems. Height, 2 feet. **Colors are mixed.** Pkt. 10 cts., 1/8oz. 20 cts., 1/4oz. 35 cts.

**Annual Canterbury Bell.** A splendid mixture that blooms from seed in less than 6 months. Grows 2 to 2 1/2 feet high. A Gold Medal Winner. Pkt. 15 cts., 1/8oz. 25 cts.

## COLUMBINE—AQUILEGIA HP

One of the most popular perennials, easy of cultivation. Very desirable for herbaceous borders and groups among shrubbery.

**Long Spurred Finest Mixed.** Superb single sorts unsurpassed for beauty and size of flower and with remarkably long spurs. Pkt. 10 cts., 1/8oz. 50 cts., 1/4oz. 85 cts.



Single Canterbury Bells





Calendula, Orange King

## Calendula—Pot Marigold

**Sunshine or Chrysantha.** An entirely new Calendula. Tall stems, large double butter-cup yellow flowers with long wide petals drooping in the same manner as a chrysanthemum. Annual. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.,  $\frac{1}{4}$ oz. 35 cts.

**Campfire (Sensation).** A truly sensational variety. The very double, brilliant orange flowers have a delicate crimson or scarlet sheen. Their characteristic flatness accentuates their unusual size. They are borne on long stems of good cutting length. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 50 cts.

**Orange King.** An extra-fine strain of this splendid, double rich orange-red variety, producing flowers over 3 inches in diameter. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts.,  $\frac{1}{2}$ oz. 35 cts., 1 oz. 60 cts.

**Mixed, All Double Sorts.** Pkt. 10 cts.,  $\frac{1}{4}$ oz. 15 cts.

### HARDY CANDYTUFT (*Iberis*) HP

The Iberis or Candytuft is very desirable for the hardy perennial border, growing 1 foot high. **Mixed Colors.** Pkt. 10 cts.,  $\frac{1}{8}$ oz. 35 cts.,  $\frac{1}{4}$ oz. 60 cts.

### CANDYTUFT

A very hardy, easily grown little annual that is a universal favorite for beds and masses. Successive sowings should be made during the summer, while the last sowing in the autumn will produce flowers early in the spring. Height, 1 foot. One packet will sow 15 feet.

**Giant Hyacinth-flowered or Improved Empress.** The finest of all white varieties. The long, heavy spikes of large flowers resembles a white hyacinth. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

**Mixed Colors.** A special mixture we make up of a number of separate colors, assuring a well-balanced assortment. Pkt. 10 cts.,  $\frac{1}{2}$ oz. 25 cts.

### CALIFORNIA POPPY—ESCHSCHOLTZIA

Eschscholtzias are among our most beautiful and popular annuals, being of the easiest culture. Sow the seed where the plants are to remain. Height, 1 foot.

**Double or Semi-Double.** A bright free flowering plant of low spreading growth. Double and semi-double poppy-like flower. Blooms from early spring until frost. **Mixed.** Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

**New Hybrid, Mixed.** This mixture has been saved from a number of new sorts of wonderful colorings, including old-gold, fire-red, cream, and many other rich and unusual tones. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 15 cts.,  $\frac{1}{4}$ oz. 25 cts.

**Aurantiaca.** Rich golden orange. This is the true California Poppy that the tourists rave so much about. It is, perhaps, the most desirable where one color is wanted. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts.,  $\frac{1}{2}$ oz. 35 cts., oz. 65 cts.

### CARDINAL CLIMBER

A brilliant and beautiful climber, growing rapidly and attaining a height of 30 feet. Foliage fern-like; flowers cardinal-red,  $1\frac{1}{2}$  inches across. Soaking the seed or notching the seed-coat will hasten germination. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.,  $\frac{1}{4}$ oz. 35 cts.

### DAHLIA HP

**Unwins Dwarf Giant Hybrids.** Easily grown from seed. Plants 20 inches high of compact growth, flowers single and semi-double of brilliant hues. Blooms freely until frost. Pkt. 25 cts.,  $\frac{1}{8}$ oz. 50 cts.

### DIANTHUS—PINKS

A most satisfactory class of flowers, easily raised from seed, which are in constant bloom the entire season; fragrant.

**Heddewigi** (Single Japan Pink). Finest single-flowered. **Mixed.** Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts.

**Heddewigi fl. pl.** (Double Japan Pink). Colors varying from the richest crimson to the most delicate rose. **Mixed.** Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts.

### CARNATION HP

**Chaubaud's Giant Double.** They excel any strains we have ever seen. Coming into flower in four to five months after planting the seed, they continue to bloom the remainder of the summer until frost. Plants are of robust, upright habit. They form ten to twenty stalks bearing huge flowers comparing with the finest greenhouse-grown varieties. Highly scented. **Finest Mixed.** Pkt. 10 cts.,  $\frac{1}{8}$ oz. 30 cts.

**Marguerite.** Large double flowers of beautiful colors. An improved strain of Pinks. Very fragrant. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 30 cts.



Carnation, Chaubaud's Double



# A few of Our Most Popular Flowers

## DELPHINIUM—HARDY LARKSPUR HP

One of our most showy and useful hardy perennial plants, possessing almost every requisite for the adornment of the garden, producing splendid spikes of flowers in profusion throughout the summer.

**Elatum Iceberg.** A pure white delphinium with beautiful 20 inch spikes. Plants grow true from seed. Pkt. 25 cts.,  $\frac{1}{8}$ oz. 60 cts.

**Belladonna.** This is one of the most free and continuous blooming varieties. Immense spikes of lovely pale blue. Height, 4 feet. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 40 cts.

**Bellamosa.** A very dark blue variety of particular value for deliberate dark blue mass effect, and a striking contrast in connection with the azure shade of belladonna. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 40 cts.

**Gold Medal Hybrids.** Plants vigorous, free-blooming, with flower-spikes 2 feet long. Grand assortment of colors in mixture, ranging from lightest blue to purple. Pkt. 15 cts., 2 pkts. 25 cts.,  $\frac{1}{8}$ oz. 35 cts.

## ENGLISH DAISY (*Bellis perennis*) HHP

Dwarf, early spring-blooming favorites; very double. Fine for borders, requiring partial shade in hot weather. Height, 4 inches. **Finest Mixed.** Pkt. 10 cts.,  $\frac{1}{8}$ oz. 25 cts.

## FORGET-ME-NOT (*Myosotis palustris*) HHP

Beautiful little half-hardy perennials with star-like flowers. Blooms the first year from seed. Succeed best in a shady situation. Height, 6 inches. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 30 cts.

## GYPSOPHILA—BABY'S BREATH

Annuals and early-flowering perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

**Elegans alba grandiflora.** An improved form of the annual Baby's Breath. Pure white, large flowers. Pkt. 10 cts.,  $\frac{1}{2}$ oz. 20 cts.

**Rosea.** Annual, Rose-colored flowers. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts.

**Paniculata.** HP. White single flowers, fine for bouquets; hardy perennials. Blooms first year if sown early. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 30 cts.,  $\frac{1}{2}$ oz. 50 cts.

## FOUR O'CLOCK (*Marvel of Peru*)

A well-known favorite annual of bushy habit bearing, during the season, hundreds of white, yellow, crimson, and violet flowers. Height, 2 feet. **Fine Mixed.** Pkt. 10 cts.,  $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.

## GEUM HP

**Mrs. Bradshaw.** An attractive perennial, growing 2 feet tall and bearing double orange-scarlet flowers during summer. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 35 cts.

### Feed Your Lawn and Garden Fertilizers. Make Them Grow.

A rich, velvety lawn, beautiful flowers and shrubbery, and a generous productive gardens are the pride of every home-lover. Growing plants are continually using up the food elements from the soil. To have vigorous, healthy plants, these food elements must be provided for in abundance. The various fertilizers listed in this catalogue on pages 51 and 52 will supply the soil with this necessary plant-food and aid in the producing of healthy, vigorous growth.



Double or Semi-Double California Poppy  
(See page 10 for description)

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.



Delphinium





Foxglove, The Shirley

# Wonderful New Colors in Larkspurs

## FOXGLOVE—DIGITALIS HP

**The Shirley.** New large bell-shaped flowers in rose and purple with mahogany-brown spots in the throat, borne on tall heavy spikes 3 feet long. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 25 cts.,  $\frac{1}{4}$ oz. 40 cts.

**Gloxiniaflora Mixed.** Handsome perennial plant of stately growth and varied beautiful clear colored bell-shaped flowers. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 25 cts.,  $\frac{1}{2}$ oz. 45 cts.

## CODETIA

**Double Azalia Flowered,** mixed annual. See description on Page 5. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

## GOURDS

**Ornamental Varieties, Mixed.** Includes a great number of interesting and diverse forms. Pkt. 10 cts., oz. 20 cts.

## HOLLYHOCK HP

**Chater's Superb Double Mixed.** Hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers. Height, 6 to 7 feet. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

**Single Mixed.** Probably the most showy of the many good old-fashioned flowers. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts.,  $\frac{1}{2}$ oz. 35 cts.

## HONESTY—LUNARIA (*Moonwort; Satin Flower*)

**Biennis.** Hardy biennials, but grown as annuals. Admired for their silvery seed-pouches which are used for house ornaments. Height, 3 feet. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.,  $\frac{1}{4}$ oz. 35 cts.

## HELIANTHEMUM—SUN ROSE HP

**Mutabile.** An excellent, dwarf, creeping perennial for dry soils. Flowers in rose, pink, and white during May and June. Hardy and free blooming. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.,  $\frac{1}{4}$ oz. 35 cts.

## HEUCHERA—CORAL BELLS HP

**Sanguinea.** The flowers are of a rich, bright coral-red color, 30 inches high. Pkt. 25 cts.,  $\frac{1}{8}$ oz. 65 cts.,  $\frac{1}{8}$ oz. \$1.50.

## HYACINTH BEAN—DOLICHOS

Rapid-growing climber, bearing a profusion of bean-like flowers. **Mixed.** Pkt. 10 cts.,  $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.

## ICE-PLANT (*Mesembryanthemum*)

**Crystallinum.** The leaves appear as if covered with a coating of thin ice. This annual plant is grown as a ground cover and is particularly suited for the rock-garden or hanging-baskets. The small, inconspicuous flowers are either white or light pink. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 25 cts.

## KUDZU VINE (*Jack-and-the-Bean-Stalk*) HP

**Pueraria Thunbergiana.** It will attain a height of 8 to 10 feet the first season. When once established it may grow from 40 to 50 feet in a season. Large, bright green leaves with small clusters of rosy pea-shaped flowers. Pkt. 10 cts.,  $\frac{1}{2}$ oz. 25 cts.

## NEW ANNUAL LARKSPURS

**Giant Imperial Blue Bell.** Deeper than sky blue. Long spikes of double flowers. Described on Page 4. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 25 cts.

**Stock Flowered Rosamond.** Deep rose double flowers on long spikes. Fully described on Page 4. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 25 cts.,  $\frac{1}{8}$ oz. 40 cts.

**Empress Rose.** A rich rhodonite-pink changing to hermosa-pink with no trace of mauve. This magnificent new strain is a double, everblooming, super-branching Larkspur and grows over 6 feet. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

**Lustrous Carmine.** Bright red. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

**White.** Pure white flowers. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

**Dark Blue.** Deep lovely blue flowers. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

**Annual Larkspur, Mixed Choice Colors.** Fine for cutting. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts. (See picture on page 13.)



Double Hollyhock



# Guinea Gold—A Sensational New Marigold

## LINUM OR FLAX HP

**Sibiricum.** Large, beautiful, blue flowers, continuously for many weeks. The plants grow from 15 to 24 inches tall. Pkt. 10 cts., 1/4oz. 20 cts., 1/2oz. 35 cts.

**Grandiflorum Rubrum.** Fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 15 inches. Pkt. 10 cts., 1/4oz. 20 cts.

## LOBELIA

**Crystal Palace.** 4 inches. Deepest blue annual. The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. Pkt. 15 cts., 1/8oz. 40 cts.

## LUPINUS—LUPINE

Lupines are showy plants, a little out of the ordinary, with handsome, conspicuous flowers, borne in terminal racemes, somewhat resembling the sweet pea. Do not attempt to transplant the annual sorts.

**Hartwegi, Annual, Finest Mixed.** Choice assortment of colors. Height, 2 feet. Pkt. 10 cts., 1/2oz. 25 cts.

**Polyphyllus, Hardy Perennial, Finest Mixed.** Various shades of Pink, Purple, Blue, and White. If sown early will bloom the first season. Height, 3 feet. Pkt. 10 cts., 1/2oz. 25 cts.



Marigold

Guinea Gold

## LANTANA

**Hybrida, Mixed.** Shrubby annual plant with verbena-like flowers in shades of white, red, and yellow with an agreeable aromatic perfume. May be grown in pots or set out in summer. Remains in bloom late in autumn. Height, 2 feet. Pkt. 10 cts., 1/4oz. 30 cts.

## MARIGOLD

**Guinea Gold.** Without question the most glorious and lovely of all Marigolds. The richest, purest orange-gold color. 2 to 2 1/2 feet high. Pkt. 15 cts., 1/8oz. 50 cts.

**Giant African, Double.** Height, 3 feet. All shades of yellow. **Finest Mixed.** Pkt. 10 cts., 1/4oz. 25 cts.

**French Dwarf, Double, Mixed.** Pkt. 10 cts., 1/4oz. 25 cts.

## MEXICAN FIRE-BUSH OR SUMMER CYPRESS

An easily grown annual which forms a cypress-like hedge, with feathery green foliage. At the approach of autumn the foliage turns to a deep red color. Height, 2 to 3 feet. Pkt. 10 cts., 1/2oz. 20 cts.

## MIGNONETTE, SWEET-SCENTED

Valuable on account of its fragrance. Sow in succession during the summer. Annual. Pkt. 10 cts., 1/4oz. 20 cts., 1/2oz. 35 cts.

## MORNING-GLORIES

Fine for covering fences and trellises on account of their rapid, luxuriant growth. They bloom freely.

**Japanese Imperial.** Flowers of immense size in a great variety of colors. Pkt. 10 cts., 1/2oz. 25 cts.

**Heavenly Blue (Rubra Coerulea).** True blue flowers with white throat measuring 3 1/2 to 4 inches across. Very beautiful and good bloomers. Pkt. 10 cts., 1/8oz. 20 cts., 1/4oz. 35 cts.



Annual Larkspur (See page 12)



# Flowers Are Stored-Up Sunshine—Grow More



Nigella

## NEPETA (*Mauve Catnip*) HP

**Mussini.** Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or rock garden. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 30 cts.

## PHLOX DRUMMONDI

**Choice Mixed.** All colors of the rainbow can be reproduced in their globular flower heads, borne on strong stems, which in a properly planted bed will form a sheet of color. Annual. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 35 cts.

## HARDY PERENNIAL PHLOX (*P. Decussata*)

Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondii offered above, which are annuals. The seed is supplied in mixture only. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 60 cts.

## PYRETHRUM—PAINTED DAISY HP

**Roseum.** Showy plants that bloom the first season if seed is sown early. Flowers single, daisy-like and double globular, 2 to 3 inches across, white, rose, crimson, and scarlet. The foliage is fine-cut and ferny. Height, 2 feet. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 40 cts.

## PORTULACA—MOSS ROSE

Dwarf-growing plants of easy culture, thriving best in a light, sandy soil and a sunny situation.

**Single Mixed.** Pkt. 10 cts.,  $\frac{1}{4}$ oz. 25 cts.

**Double Mixed.** Unsurpassed for brilliancy. A wide range of colors—orange, red, and white. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 30 cts.,  $\frac{1}{8}$ oz. 50 cts.

## PENTSTEMON—BEARD TONGUE HP

**Gloxinioides.** Very showy plants growing from 2 to 4 feet high, rather bushy, with very long, slender spikes bearing many trumpet-shaped flowers with hairy throats, hence the name "Beard Tongue." Pkt. 15 cts.,  $\frac{1}{8}$ oz. 35 cts.,  $\frac{1}{8}$ oz. 55 cts.

## PLATYCODON—BALLOON FLOWER HP

The unopened buds resemble miniature balloons, opening up as deep-throated,  $1\frac{1}{2}$  to 2-inch bells. Plants grow 2 to 3 feet high and bloom profusely.

**Mixed.** Blue and white. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 25 cts.

## MOONFLOWERS

**Blue.** Deep clear blue flowers. Vines are rapid growth and bloom profusely. Soak seed in water 24 hours before planting. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.,  $\frac{1}{4}$ oz. 35 cts.

**White.** Vines are covered with large white flowers. Seeds should be soaked in water. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 15 cts.

## NASTURTIUM

**Scarlet Gleam** (New). Large bushy sweet scented plants covered with beautiful double scarlet flowers. Fully described on Page 4. Pkt. 20 cts.,  $\frac{1}{8}$ oz. 60 cts.

**Gleam Hybrids** (New). A mixture of dazzling colors. Double or semi-double flowers. Sweet scented. Described on Page 4. Pkt. 20 cts.,  $\frac{1}{8}$ oz. 60 cts.

**Golden Gleam.** Large double golden yellow flowers  $2\frac{1}{2}$  inches to 3 inches across. Borne on stiff erect stems 6 inches in length. Pkt. 10 cts.,  $\frac{1}{2}$ oz. 15 cts., 1 oz. 25 cts.

**Tall or Climbing, Choicest Mixed.** Single flowers. Oz. 10 cts., 3 ozs. 25 cts.

**Tom Thumb Dwarf, Choice Mixed.** Single flowers. Oz. 10 cts., 3 ozs. 25 cts.

## NIGELLA—LOVE-IN-A-MIST

Lovely garden annuals, with finely cut green foliage, and curious-looking flowers and seed pods.

**Damascena.** Blue; double. Height, 1 foot. Pkt. 10 cts.,  $\frac{1}{2}$ oz. 25 cts.

## NICOTIANA—FLOWERING TOBACCO

**Affinis. New hybrids.** The plants average  $2\frac{1}{2}$  feet in height and bloom profusely in shades of rose red, crimson, and creamy white. Annual. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 25 cts.



Pentstemon



# Petunias—For Bedding, Borders, Window-Boxes



Giants of California Petunia

## PETUNIAS—GIANTS OF CALIFORNIA

**Giant-flowered Ruffled Varieties.** Vigorous growers of semi-trailing habit, with flowers which often measure 4 inches across. Many light shades, mostly with blotches and pencil-markings of a different color in the throat. A superb strain. Pkt. 25 cts. 1/32oz. \$1.25. (See cut.)

## PINK GEM PETUNIA

New compact plant of miniature Petunias, deep pink flowers. Fully described on Page 5. Pkt. 15 cts., 1/8oz. 40 cts.

## DOUBLE PETUNIA—FANCY FRINGED

An excellent, carefully hand-pollenized strain, yielding large plants having double, finely fringed flowers. Embraces a splendid variety of colors and many beautiful combinations. The seed of this is extremely costly. Small pkt. 35 cts.

## SINGLE BEDDING PETUNIAS

Everyone has room for some Petunias, either in porch or window-boxes, beds, borders, or rockeries.

**Mixed.** Pkt. 10 cts., 1/8oz. 25 cts.

## ROSY MORN PETUNIA

A great favorite because it adapts itself to so many uses. Ideal for porch boxes, beds, terraces, borders and among rockwork. Lovely flowers of delicate rose-pink with white throat. Sow thinly outdoors or for earlier blooms start seed in the house. Pkt. 10 cts., 1/8oz. 60 cts.

## BALCONY PETUNIAS

These large and beautiful Petunias were bred to produce a wealth of bloom when grown in porch or window-boxes, or garden vases; when grown in beds or borders they produce pleasing, striking effects.

**Blue, Rose, and Red.** Each, Pkt. 15 cts.

**Balcony Choice Mixed.** Pkt. 15 cts., 1/8oz. 75 cts.

## PANSIES

**Trimardeau or Giant Mixed.** A Giant Flowering variety with an improved color range. Artistic effects can be achieved by planting this superb mixture. Pkt. 10 cts., 1/8oz. 35 cts., 1/4oz. 60 cts.

**Large-flowering Mixed.** A great diversity of colors. Pkt. 10 cts., 1/8oz. 25 cts., 1/4oz. 40 cts.

**Giant Perfection Mixed.** This mixture is composed of giant-flowering sorts having many of the colors and different patterns found in the named varieties both as regards to size, texture and colorings. Pkt. 25 cts., 1/8oz. 40 cts., 1/8oz. 75 cts.

## TUFTED PANSIES—VIOLAS HP

While the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time.

**Jersey Gem.** Short, bushy growth, blooming throughout the summer having flowers of rich pure violet, large and fragrant. Long stems make it a good cut-flower. Pkt. 25 cts.

**Apricot.** Long stemmed flowers of deep orange-yellow. Blooms all summer. Fragrant. Pkt. 25 cts.

**Cornuta Mixed.** A splendid mixture of the best varieties. Pkt. 10 cts., 1/8oz. 35 cts., 1/4oz. 60 cts.



Giant Mixed Pansies





Oriental Poppies



Salvia, Scarlet Sage



Snow-on-the-Mountain

# Poppies for Blazing Color

## PERENNIAL POPPY HP

**Oriental.** The big, bright scarlet, Decoration Day Poppy. A hardy perennial form bearing immense single flowers in spring. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 25 cts.

**Choicest Mixed.** A large flowering mixture. It includes many bright shades as found in the Oriental Poppies. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 30 cts.

**Nudicaule** (Iceland Poppy). A hardy type of Poppy delicately formed and containing many shades of yellow and orange which are foreign to their shorter lived annual cousins. 18 inches high. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 25 cts.,  $\frac{1}{4}$ oz. 40 cts.

## ANNUAL POPPY

**Double Cardinal.** Flowers are large fringed and fully double. See Page 5 for description. **Mixed.** Pkt. 10 cts.,  $\frac{1}{8}$ oz. 15 cts.

**Double Shirley Art Shades.** A most charming poppy. Large double flowers. Petals crinkled and fluted measuring 3 to 4 inches across. **Mixed colors** of clear new shades. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 15 cts.

**Carnation-flowered.** 2 feet high. Flowers of large globular form, with slashed or fringed petals in many beautiful colors of pink, rose and red. **Mixed Colors.** Pkt. 10 cts.,  $\frac{1}{4}$ oz. 15 cts.

**Shirley.** Varying in color from pure white to rosy carmine and deep crimson in mixture. **Mixed Colors.** Pkt. 10 cts.,  $\frac{1}{4}$ oz. 15 cts.,  $\frac{1}{2}$ oz. 25 cts.

## SALVIA—SCARLET SAGE

This popular and showy bedding annual plant should be started either in the house or in hotbeds.

**Bonfire.** Compact, bushy plants, 2 feet high, producing erect spikes of brilliant scarlet flowers. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 50 cts.,  $\frac{1}{4}$ oz. 90 cts.

**Splendens.** Tall-growing plants. Height, 3 feet. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 60 cts., oz. \$2.

## SALVIA—SCARLET SAGE HP

**Farinacea, Blue Bedder.** A showy blue-flowering Sage with long flower-stems of rich, deep blue blooms. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 40 cts.

## SNOW-ON-THE-MOUNTAIN HHP

A bushy plant with insignificant flowers, but whose broad green leaves are heavily margined with silvery white. Height, 2 feet. Pkt. 10 cts.,  $\frac{1}{4}$ oz. 25 cts.

## USE RELIABLE PLANT FOODS

You can't grow crops year in and year out unless you put back into the soil the plant-food elements removed by each season's crop.

### Sacco and Vigoro Plant-Food Makes Things Grow

These Plant-Foods are specially prepared fertilizer that supplies every necessary element for healthy plant-growth—Nitrogen, Phosphates, and Potash combined in exactly the right proportion. They produce truly amazing results with few applications.



# • Do Not Forget Winter Bouquets •

## STATICE—SEA LAVENDER

**Sinuata.** Perhaps the prettiest of the various Everlastings, with long sprays of bright-colored paper-like flowers. The seeds are in the dried flower-heads which should be planted without separating, laying them flat instead of upright. **Mixed.** Pkt. 10 cts., 1/4oz. 20 cts.

## SAXIFRAGA (*Megasea*) HP

**Perennial and Mossy Varieties.** The Saxifragas are one of the most important Alpine species growing from 2 inches to 1 foot high, in all colors, White, Pink, Bright Red and Yellow. **Mixed.** Pkt. 25 cts.

## SEDUM (*Mixed Colors*) HP

The species vary from a dwarf creeping plant to plants 1 foot high. Some are evergreen and others have fleshy leaves. Flowers are all shades and plants are of different colored foliage. Pkt. 25 cts.

## SHASTA DAISY HP

**Alaska.** The Shasta Daisy, Alaska is a very large-flowering strain, the blooms measuring 4 to 5 inches across, with broad overlapping petals of purest white. One packet sows 12 feet of row. Pkt. 10 cts., 1/8oz. 25 cts., 1/4oz. 40 cts.

## LARGE-FLOWERING SALPIGLOSSIS

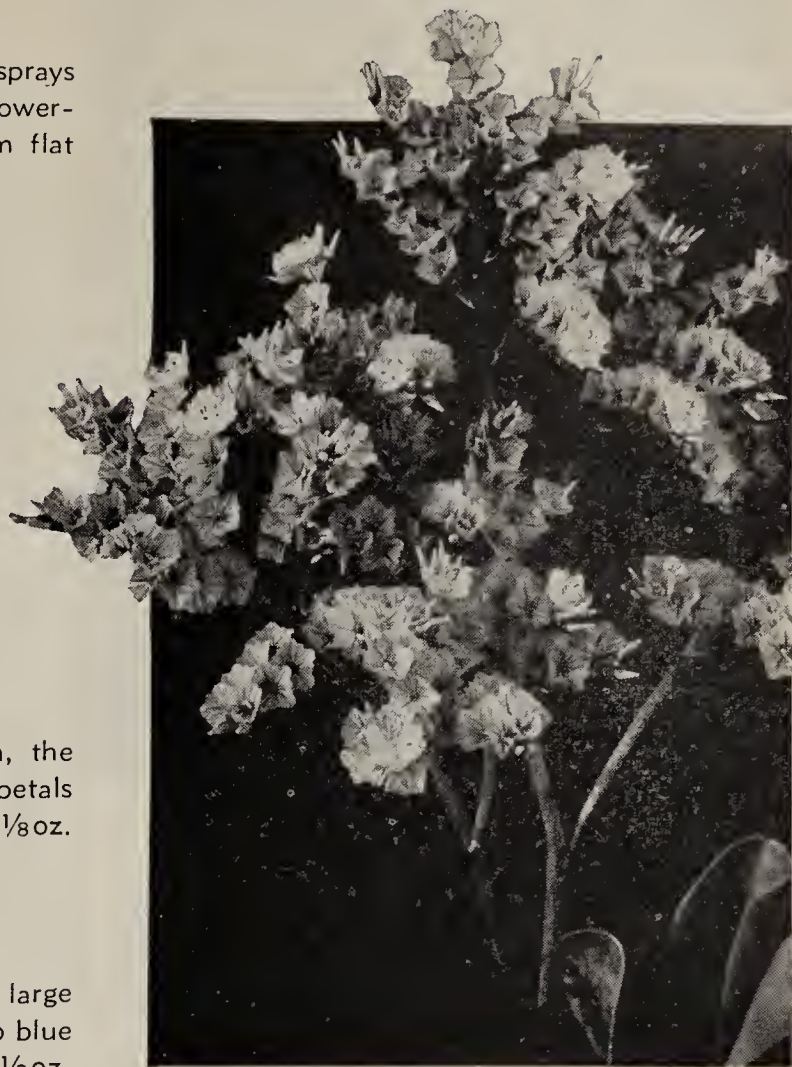
A free-flowering annual, succeeding best in cool, moist soils. The large flowers are most vividly spotted and striped on ground-colors of deep blue rose, velvety yellow and reddish bronze. Pkt. 10 cts., 1/4oz. 30 cts., 1/2oz. 50 cts.

## STRAWFLOWER OR EVERLASTING FLOWER

Much prized for durable bouquets and winter decoration. To dry, gather flowers when partly unfolded and hang, heads down, in a cool place. **Giant-flowering, Mixed.** Pkt. 10 cts., 1/4oz. 20 cts.



Strawflowers



Statice, Sinuata

## SWEET SULTAN (*Centaurea imperialis*)

Blooms of exquisite texture, possessing a delightful fragrance. The plants grow 2 feet tall and bear a profusion of elegant, long-stemmed flowers. Our mixture includes all the lovely colors belonging to this type. **Finest Mixed.** Pkt. 10 cts., 1/4oz. 25 cts., 1/2oz. 40 cts.

## SWEET WILLIAM (*Dianthus barbatus*) HP

These make wonderful border plants, with heads of bloom of great size and wonderful beauty. Our mixture combines many rich and beautiful colors.

**Single.** The fine rounded trusses 3 or 4 inches across of these sorts are composed of many fine disc-like flowers gayly colored and marked. **Mixed.** Pkt. 10 cts., 1/4oz. 20 cts., 1/2oz. 35 cts.

**Double.** Quite similar in habit and form to the single type but the trusses are made up of many dainty double blossoms. Less showy than the single sorts but longer in flower. **Mixed.** Pkt. 10 cts., 1/4oz. 40 cts.

## SAPONARIA HP

**Ocymoides Splendens.** 6 inches. A dwarf showy trailing plant with vivid crimson flowers. Pkt. 10 cts., 1/8oz. 15 cts.

## TOBACCO DUST

**Save your Radishes and Turnips from worms.** Strew it generously in the row before sowing. It acts as a repellent for many insects infesting the soil. Deserves much more general use. Dusted over Cucumbers, Melons and Squashes it helps greatly to rid these vines of the destructive bugs. Apply in the morning when the plants are covered with dew. 1 lb. 10 cts., (P.P. 20 cts.), 5 lbs. 35 cts. (P.P. 50 cts.), 10 lbs. 60 cts., 25 lbs. \$1.00, 100 lbs. \$3.25. Postage extra.





Sweet Wivelsfield

## SWEET WIVELSFIELD

**Annual Sweet William.** Sweet-scented. Its wealth of color and long blooming season makes it very desirable. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

## SIDALCEA HP

A splendid perennial plant growing 2 to 3 feet high with mallow-like flowers clustered on a long spike. Colors range from delicate pink to deep rose. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.

## LARGE FLOWERED DOUBLE SCABIOSA

**Mourning Bride.** These beautiful hardy annuals are in great demand. They grow about  $2\frac{1}{2}$  feet high. We highly recommend these new hybrid Scabiosas to all growers.

**Choice mixed.** Pkt. 10 cts.,  $\frac{1}{4}$ oz. 20 cts.



Imperial Stocks

# Unusual Color Combinations

## STOCKS

**Early Giant Imperial.** Plants about  $2\frac{1}{2}$  feet and having numerous spikes of very large, double, delightfully fragrant flowers. If sown in February or March, will produce plants that will bloom out-of-doors from midsummer till frost. **Finest Mixed.** Pkt. 15 cts.,  $\frac{1}{8}$ oz. 50 cts.

**Ten Week Stocks.** Plants 18 inches high with fine spikes covered with lovely colored flowers. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 40 cts.

## GIANT SNAPDRAGON—ANTIRRHINUM

The new varieties are so far superior to the old-time Snapdragon that really there is no comparison. The blooms are very much larger, are better shaped, and far more brilliantly colored. The plants bloom very freely over a long period.

**Rust Proof Mixed.** The largest advancement in raising Snapdragons is this new variety completely free of rust. Fully described on Page 4. Pkt. 25 cts.,  $\frac{1}{8}$ oz. 65 cts.

**Giants, Special Mixture.** Embraces a magnificent assortment of the finest new varieties. Pkt. 10 cts., 3 pkts. 25 cts.,  $\frac{1}{8}$ oz. 35 cts.,  $\frac{1}{4}$ oz. 60 cts.

We sell only the best grade of seed, tested for purity and vitality—put up in liberal quantity in beautifully colored lithographed packets with reliable directions for culture.



Snapdragon

## SCABIOSA (*Blue Bonnet*)

HP

**Caucasica.** An excellent hardy perennial, good for garden display and for cutting. The large, pleasing lavender-blue flowers are borne profusely on fine long stems. The plants grow about 2 feet tall. Pkt. 15 cts.,  $\frac{1}{8}$ oz. 35 cts.

## SUNFLOWER— HELIANTHUS

**Double Chrysanthemum - flowered.** Rich, golden yellow flowers, perfectly double, resembling a chrysanthemum or dahlia. Pkt. 10 cts., oz. 35 cts.

**Dwarf Red.** Rich Chestnut Red tipped Yellow. 4 feet. Pkt. 10 cts.,  $\frac{1}{2}$ oz. 15 cts.

**Stella.** Large golden yellow petals, small dark center. 4 feet. Pkt. 10 cts.,  $\frac{1}{2}$ oz. 15 cts.

## STACHYS—LAMB'S EAR HP

**Lantana.** Wonderful dwarf plants grown for its white woolly foliage, the flower spikes should be removed. Pkt. 10 cts.,  $\frac{1}{8}$ oz. 20 cts.



# Flowers For Beds and Masses

## TUNICA HP

**Saxifraga.** The plants make a spreading growth and form thick tufts which are covered with small delicate rose blooms. Pkt. 10 cts., 1/4oz. 25 cts.

## VENEDIUM FASTUOSUM (Monarch of the Veldt)

Large deep orange daisy-like flower 4 to 5 inches across. Fully described on Page 5. Pkt. 10 cts., 1/8oz. 35 cts.

## VALERIAN—GARDEN HELIOTROPE HP

Perennial border plants; large flowers having a fragrance resembling that of the heliotrope. **Mixed.** Height, 2 to 3 feet. Pkt. 10 cts., 1/4oz. 25 cts.

## VERBENA

An excellent annual for beds and massing and for a gorgeous display during the summer months it cannot be excelled. **Mammoth Mixed.** Pkt. 10 cts., 1/8oz. 25 cts.



Verbena

## Zinnias

**Fantasy** (New). A bright colorful mixture of shaggy petaled medium sized double flowers. Described on Page 5. Pkt. 25 cts., 1/8oz. 60 cts.

**Scabious Flowered** (New). Plants 2 1/2 feet bearing numerous medium sized flowers. Resembles annual Scabiosa. Described on Page 5. **Mixed colors.** Pkt. 25 cts., 1/8oz. 50 cts.

**Midget or Tom Thumb** (New). Plants 6 inches high. Compact covered with well formed flowers of the Lilliput type. Fully described on Page 5. **Mixed colors.** Pkt. 15 cts., 1/8oz. 25 cts.

## DOUBLE LILLIPUT OR POMPON ZINNIAS

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage. Makes a good line or bed and are of more than usual value for cutting. **Finest Mixed.** Pkt. 10 cts., 1/4oz. 30 cts.

## DOUBLE DAHLIA-FLOWERED ZINNIAS

This type, the latest development in Zinnias, bears flowers of mammoth size and in form like a perfect decorative dahlia. As the result of continued painstaking care and selection, the size, form, and coloring have been much improved and we now offer seven beautiful and distinct varieties.

**Exquisite.** Pale rose, deeper center.

**Purple Prince.** Fine deep purple.

**Crimson Monarch.** Largest and best red.

**Oriole.** Immense; orange and gold.

**Canary Bird.** Fine; large; primrose.

**Meteor.** Deep rich glowing red.

**Polar Bear.** The best large pure white.  
Pkt. 10 cts., 1/8oz. 25 cts.

**Dahlia-flowered Mixed,** from the varieties named above. Pkt. 10 cts., 1/8oz. 25 cts., 1/4oz. 50 cts.

## SIBERIAN WALLFLOWER HP

Very pretty dwarf hardy biennial plants, usually handled as annuals, flowering freely through the summer. For early spring flowering, sow in late summer. Splendid for rockery. Plants grow about 1 foot high, with heads of brilliant orange flowers. Pkt. 10 cts., 1/8oz. 25 cts.

## WILD FLOWER GARDEN

This mixture is valuable for sowing in bare spots, along fences and on embankments and will convert many an unsightly spot into a place of beauty. Large Pkt. 10 cts., 1/2oz. 15 cts., oz. 25 cts., 1/4lb. 75 cts.



Giant Dahlia-Flowered Zinnia





Early Flowering Spencer Sweet Peas

## Spencer or Orchid-flowered Sweet Peas

The best of the old-fashioned or Grandiflora varieties are now quite overshadowed by this wonderful type, which are quite distinct, having large, round, open flowers of extraordinary size, usually measuring 2 inches across, with wavy standards and wide-spreading wings, a very large percentage bearing four of these immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting. All the sorts offered below have been thoroughly tested and are very superior in every respect.

### NEW EARLY-FLOWERING SPENCER SWEET PEAS

These new varieties come into bloom three to four weeks earlier than late Spencers, and therefore should be well in flower before our summer heat arrives. Vines are less branching than those of the later type. The blossoms are larger and beautifully waved, of perfect Spencer form, borne three and four on extra-long stems. The most popular of all Sweet Peas.

**Glitters.** Fiery cerise.

**Harmony.** Best clear lavender.

**Miss Louise Gude.** Clear rose-pink.

**Mrs. Kerr.** Orange-salmon.

**Snowstorm Improved.** Best pure white.

Each, pkt. 10 cts., 5 pkts. 35 cts., oz. 30 cts.

### EARLY-FLOWERING SPENCER MIXTURE SWEET PEAS

It is impossible to make a better blend of colors than this even at much higher prices. In quality unsurpassed and very popular with our customers. Pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., 1/4 lb. 60 cts.

**Inoculate Sweet Pea Seed with Nodogen. It Insures Germination and a Stronger Growth.**

Sometimes Sweet Pea vines are troubled with lice (Aphis). Spraying with Red Arrow or "Black Leaf 40," kills them quickly and does not injure the flowers.

Our seeds are put up in liberal size, colored lithographed packets, with careful cultural directions on each packet.

### HARDY SWEET PEAS HP

Showy, free-flowering perennial. Blooms continuously from early spring until midsummer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet. Soak seed overnight, sow 1/2 inch deep. Pkt. 10 cts., 1/4 oz. 15 cts.

### SUMMER FLOWERING SPENCER SWEET PEAS

**Austin Frederick.** A giant-flowered lavender.

**Avalanche.** Very large white.

**Charity.** Deep rich crimson; best of its color.

**Celebrity.** Bright orange.

**Daffodil.** Large very deep primrose.

**Fiery Cross.** Bright orange cerise.

**King Manoel.** Giant maroon.

**Margaret Atlee.** Apricot-pink on a cream ground.

**Mary Pickford.** Creamy salmon pink.

**Mrs. Tom Jones.** Delphinium-blue.

**Picture.** Flesh-pink, suffused apricot.

**Pinkie.** Mammoth deep rose-pink.

**Powerscourt.** Large lavender.

**Royal Purple.** Rich royal purple. Most distinct.

**Tangerine Improved.** A wonderful glowing orange.

**Welcome.** Brightest scarlet.

Each of above carefully selected varieties, large pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts.

### SUMMER FLOWERING SPENCER MIXTURE SWEET PEAS

Blended from only the Giant Waved Spencer varieties. We are sure this mixture will give absolute satisfaction. Large pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., 1/4 lb. 50 cts., lb. \$1.50, postpaid.

It requires one ounce of Sweet Peas to sow 10 feet of single row.



# Gladiolus

## The Glad Flower in all its Glory

### DISTINCT VARIETIES OF RECENT INTRODUCTION

#### Carefully Selected as to Quality

**Albatross.** Large pure white.

**Betty Nuthall.** Large salmon pink, yellow blotch.

**Coryphee.** Pure pink.

**Pelegriño.** Dark violet blue.

**Loyalty.** Clear large yellow.

**Mammoth White.** Largest and purest white.

**Mother Machree.** Large light smoky.

**Picardy.** Soft apricot pink, extra large.

**Aflame.** Very large orange flame red.

**King George.** Large red, white blotch.

#### Any of the above varieties

15 cts. each, 25 cts. for 2, \$1.40 per doz.

### SELECT GLADIOLUS

A list of the better kinds, covering a wide range of color.

**Dr. F. E. Bennett.** Fiery scarlet with white lines in throat.

**Carmen Sylva.** Large snowy white flowers.

**Golden Measure.** Deep golden yellow.

**Gloriana.** Golden salmon, clear yellow throat.

**Charles Dickens.** Large purple violet flowers.

**Mrs. Leon Douglas.** Immense rose salmon.

**Mrs. Van Konynenburg.** Popular medium blue.

**Minuet.** Finest light lavender, very large flowers.

**Mrs. W. H. Phipps.** Wonderful late pink.

**Purple Glory.** Dark purple maroon.

**Mrs. P. W. Sisson.** Gorgeous light salmon pink.

**Marmora.** Smoky gray, very fine.

**Pfitzer's Triumph.** Orange red. Large flowers on tall spike.

**Marshall Foch.** Giant flowers of finest salmon pink.

#### Any of above with a great variety of color

10 cts. each, 25 cts. for 3, 75 cts., per doz., \$5.00 per 100

Our gladiolus bulbs are treated with Naphthalene Flakes to insure freedom from thrip, etc.

### STANDARD NAMED GLADIOLUS

**Giant Nymph.** Rose pink, yellow throat.

**Mrs. Dr. Norton.** Beautiful pink with rose blotch.

**Los Angeles.** Pink with orange carmine throat.

**Crimson Glow.** Deep velvety red.

**Albania.** Snow white, round petals.

**Golden Dream.** Tall, late bloomer. Best of yellows.

**Mrs. F. C. Peters.** Extra fine late lavender.

**Copper Bronze.** Coppery bronze, very beautiful.

**Virginia.** Brilliant cerise, large.

**Opalescent.** Pale lavender with darker line in throat.

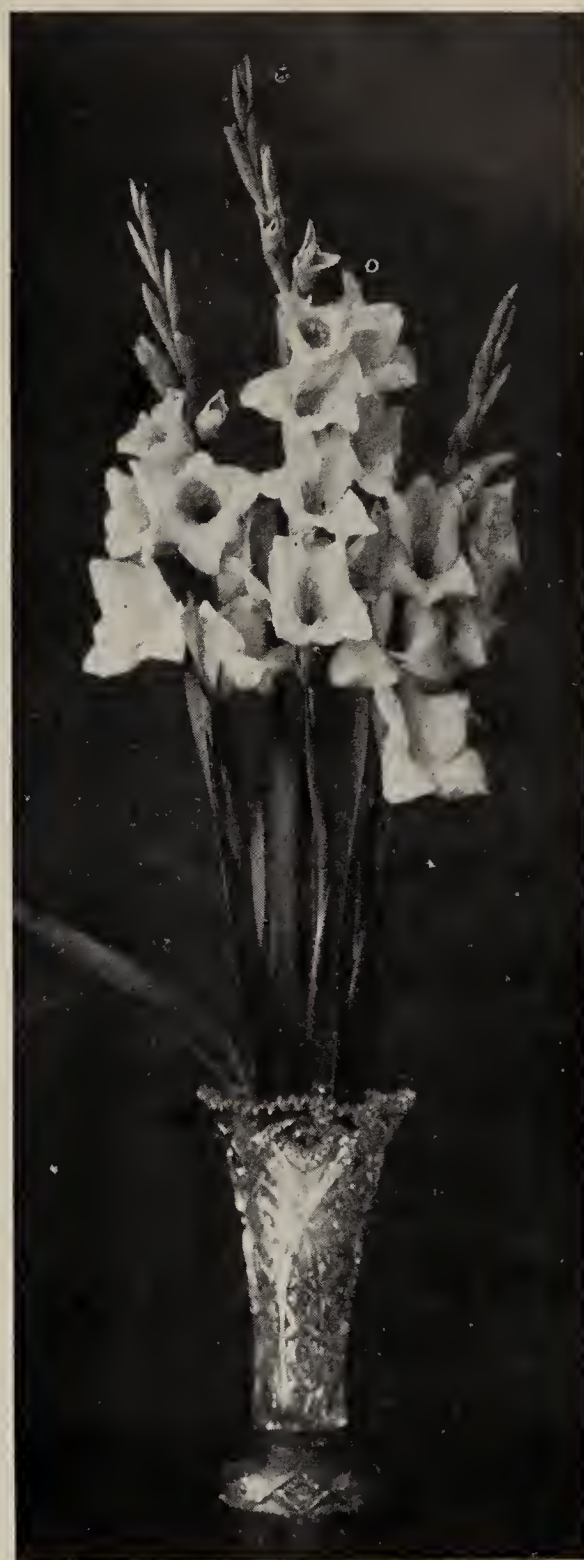
**Orange Flame.** Late ruffled orange scarlet.

#### Any of the above separate or in assortment

5 cts. each, 50 cts. per doz., \$4.00 per 100

### POPULAR MIXTURE OF GLADIOLUS

Composed of high-grade varieties in mixture. A splendid lot of bulbs at very low prices. 15 cts. for 6, 30 cts. per doz., \$2.00 per 100.



Albatross

### Naphthalene Flakes Treatment of Gladiolus Bulbs for Thrips

Sprinkle the flakes among the bulbs using one ounce to one hundred bulbs, or about 1 lb. to a bushel of bulbs. The time of application may be either in the fall, during the winter or a week or two before planting in the spring, and suggest sprinkling the flakes in trench when planting, covering the flakes 1 or 2 inches and planting the bulb on top in the usual manner. Lb. 15 cts. (postpaid 25 cts.) 5 lbs. or more 12 cts. lb.

### FALL BULBS FOR SPRING FLOWERING

About September we will issue our annual folder of choice Dutch Bulbs, also other bulbs and roots suitable for Fall planting. If you are interested, a copy will be mailed on request.

If bulbs are wanted by parcel post, add 10 cts. extra for the first dozen and 1c extra for each additional dozen.



# Aromatic, Medicinal Pot Herbs

## The Herb Garden

What a wonderful thing is the fragrance of an herb garden. Here we have it distilled and intensified for every plant is fragrant. One can easily understand why the old fashioned herb garden is coming back, the mystery is why it ever disappeared.

### ANISE

(*Pimpinella anisum*.) Annual, 12 to 18 inches tall; chiefly grown for aromatic seeds used in flavoring. (Not the same as Florence Fennel which is sometimes called sweet Anise.) Pkt. 5 cts., 1 oz. 25 cts., ¼ lb. 75 cts.

### BASIL . SWEET

(*Ocimum basilicum*.) A hardy, aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces. Plant about 18 inches high, branching, with ovate toothed leaves; flowers white or bluish white in leafy terminal racemes or spikes. Pkt. 5 cts., 1 oz. 20 cts., ¼ lb. 50 cts.

### BORAGE

(*Bonago officinalis*.) Coarse, hairy annual 2 feet tall; large thick leaves used as pot herb and for flavoring; blue flowers highly decorative and used for garnishing; good bee plant. Pkt. 5 cts., 1 oz. 20 cts., ¼ lb. 50 cts.

### CARAWAY

(*Carum carui*.) A well known herb, cultivated for its seeds, which are used in confectionery, cakes, etc. The leaves are sometimes used in soups, for flavoring liquors, and for colic in children. Plant 1½ to 2 feet high, with finely cut foliage and clusters of small, white flowers. Plants never seed till the second year. Pkt. 5 cts., 1 oz. 20 cts., ¼ lb. 50 cts.

### DILL . MAMMOTH

(*Anethum graveolens*.) Annual about 2 feet tall; of strong aromatic odor and mildly pungent flavor; chiefly grown for seed clusters used in making dill pickles. Pkt. 5 cts., 1 oz. 15 cts., ¼ lb. 50 cts.

### FENNEL . SWEET

(*Foeniculum officinale*.) Perennial usually treated as annual; 3 to 4 feet tall; of aromatic odor and sweet pungent flavor; seeds used for flavoring confections and medicines; differs chiefly from Florence Fennel in not having swollen leaf bases. Pkt. 5 cts., 1 oz. 25 cts., ¼ lb. 75 cts.

### LAVENDER

(*Lavandula spica*.) A hardy perennial growing about 2 feet high. It is used for the distillation of lavender water or is dried and used to perfume linen. It should be picked while still green and dried quickly. The seed is of rather slow and uncertain germination. Pkt. 5 cts., 1 oz. 50 cents., ¼ lb. \$1.50.

### MARJORAM . SWEET

(*Origanum majorana*.) An aromatic herb for seasoning. The young tender tops and leaves are used green in summer to flavor broths, dressings, etc.; they are also dried for winter use. Pkt. 5 cts., 1 oz. 25 cts., ¼ lb. 75 cts.

### ROSEMARY

(*Rosmarinus officinalis*.) A hardy perennial with fragrant odor and a warm, bitter taste. The leaves are used for flavoring meats and soups, and for medicinal drinks. Plants do not reach a size suitable for use until the second season. Pkt. 5 cts., 1 oz. 50 cts., ¼ lb. \$1.50.

### SAGE . BROAD LEAF

(*Salvia officinalis*.) Hardy, spreading perennial; 12 to 15 inches tall; of strong, pleasant aromatic odor and mildly pungent flavor; the most commonly used of all the herbs for seasoning. Pkt. 5 cts., 1 oz. 20 cts., ¼ lb. 60 cts., 1 lb. \$2.00.

### SAVORY . SUMMER

(*Satureia hortensis*.) Annual about 15 inches tall; entire plant aromatic; very popular for seasoning. Pkt. 5 cts., 1 oz. 15 cts., ¼ lb. 50 cts.

### THYME

(*Thymus vulgaris*.) An aromatic perennial herb, 8 to 10 inches high, used principally for seasoning. Plant very branching with wiry foliage and small lilac flowers. Sow as early as the ground will permit. Pkt. 5 cts., 1 oz. 50 cts., ¼ lb. \$1.75, 1 lb. \$6.00.

## GARDEN BOOKS

USE BOOKS AS FOUNDATIONS FOR BETTER GARDENS, BETTER HOMES AND A FULLER ENJOYMENT OF OUTDOOR LIFE

**INFORMAL GARDENS.** By **H. Stuart Ortloff**. This book assists the gardener with suggestions for appropriate plants, colors, features, furniture. 104 pages, 17 illustrations. \$1.60.

**THE BOOK OF BULBS.** By **F. F. Rockwell**. Illustrated with 187 beautiful photographs and instructive drawings. Includes tulips, daffodils, hyacinths, lilies, crocuses, glads, dahlias, peonies, irises, begonias. 187 illustrations, 264 pages. \$2.00.

**EVERGREENS FOR THE SMALL PLACE.** By **F. F. Rockwell**. It tells the uses, characteristics and types of small or dwarf evergreens, and details of their planting, transplanting, and general care. 67 illustrations, 84 pages. \$1.25.

**LAWNS.** By **F. F. Rockwell**. What is necessary to start a lawn right and keep it in vigorous growing condition, grade, fertilize, plant, care for it after planting, control weeds and pests. 39 illustrations, 87 pages. \$1.25.

**1,001 GARDEN QUESTIONS ANSWERED.** By **Prof. Alfred C. Hottes**. Every problem confronting the home-gardener is satisfactorily answered. Covers flowers, fruits, vegetables, the home grounds, etc. Cloth. \$2.00.

**THE HOME VEGETABLE GARDEN.** By **E. M. Freeman**. Full of practical details for laying out the garden, planting, and growing vegetables successfully. 8 illustrations, 214 pages. \$1.75.

**PERENNIAL GARDENS.** By **H. Stuart Ortloff**. Directions for preparing and fertilizing the soil, cultivating, watering, pest control, transplanting, propagation, and winter protection. Kinds and varieties of perennials for many different purposes are classified. 92 pages, 18 illustrations. \$1.25.

**A LITTLE BOOK OF PERENNIALS.** By **Prof. Alfred C. Hottes**. Devoted to the general principles of growing, using, selecting and propagating perennials. 200 pages. Cloth. \$2.00.

**ANNUALS IN THE GARDEN.** By **H. Stuart Ortloff, L.A.** It contains full instructions for growing annuals, sowing seed, transplanting, and care in the garden. It also includes summer-flowering bulbs and biennials. Cloth. 12 Mo. \$1.25.

**THE BOOK OF ANNUALS.** By **Prof. Alfred C. Hottes**. A reliable guide through the season of annual bloom. Over 100 separate species are described with full directions for their culture and uses. 180 pages. Cloth. \$1.50.

**PRINCIPLES OF FRUIT GROWING.** By **L. H. Bailey**. Practical information for growers of every kind of tree and bush fruits. 186 illustrations, 432 pages. \$2.50.

**GARDEN FLOWERS IN COLOR.** By **G. A. Stevens**. Each magnificent color photograph is accompanied by a brief description with condensed, practical directions. 320 pages, 400 photographs in full color, 6¼ x 9¼ inches, bound in cloth. A Picture Cyclopedic of Flowers. \$3.75.





# Delicious Table Beets



This picture represents the improved types of Asgrow Wonder and Perfected Detroit Beets. These superior strains we supply direct from the original growers

## Table Beets

Seed should be sown at the rate of one ounce to 100 feet of row. The rows should be spaced 18 to 24 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable, but nearly all types of soil will produce beets if sufficiently fertilized and properly tilled.

When the seedlings are about an inch tall it is well to thin them to about one-half inch apart.

### ASGROW WONDER

(Gold Medal Winner.) Outstanding All-American selection and the finest extra early variety. Splendidly adapted for home garden purposes as well as for market; unsurpassed for color, tender and deep red all the way through, semi-flat, fine for bunching. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.40.

### PERFECTED DETROIT

All American selection 1933. An early, round, dark red root, with medium foliage. It seems to have the color, shape, top and earliness desired in this type, cans red with no brown nor purples, has no white rings and has a fine top for bunching. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 45 cts., 1 lb. \$1.50.

### DETROIT DARK RED

52 to 55 days. The standard of excellence in table beets for home and market garden, shipping and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root; very dark blood-red. Interior very uniform in color, the zones so inconspicuous that the flesh seems to be one solid ball of deep blood-red meat; remains tender and of highest quality until roots are full grown. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

### CROSBY'S EGYPTIAN (ORIGINAL STRAIN)

50 to 55 days. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shape, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

## GOOD FOR ALL BEET

52 to 55 days. Sometimes called "Rose Bud" or "Baby" Beet. Especially fine for canning and pickling whole at 1 ¼ to 1 ½ inches in diameter. Roots smooth, even in size and shape, and almost perfectly globular; collar and tap-roots very small; interior deep crimson, free from white zones. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 50 cts., 1 lb. \$1.75.

## Mangel-Wurzel Stock Beets

The value of Mangels for stock-feeding is clearly seen in the improved health and condition of the animals, the increased flow and quality of milk from cows, and the saving in fodder. They yield enormously and can be grown at trifling cost. About one-fourth of the daily rations should be of roots. They are also excellent feed for poultry being a valuable egg-producer.

### GOLDEN TANKARD

Heavy cropper; easily harvested. Roots large, thick oval, nearly cylindrical; light gray above, deep orange below ground; flesh yellow with white zones. Pkt. 5 cts., 1 oz. 10 cts., ¼ lb. 20 cts., 1 lb. 50 cts.

### MAMMOTH LONG RED

Roots very large; long, straight and thick; grow ⅓ to ½ out of ground; light red; flesh white tinged with rose. Pkt. 5 cts., 1 oz. 10 cts., ¼ lb. 20 cts., 1 lb. 50 cts.

## Asparagus

1 Ounce for 50 Foot Drill; 4 Pounds to Acre

### MARY WASHINGTON

Mary Washington has proven to be highly rust resistant, hardy and productive. The shoots are long, straight, thick, and heavy; dark green the entire length, except tinted darker at the tips. Pkts. 5 and 10 cts., 1 oz. 15 cts., 2 oz. 25 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

## Asparagus Roots

### MARY WASHINGTON

Two year root, per 25 60 cts., per 50 \$1.00, per 100 \$1.75, per 1,000 \$13.00. Plant roots 18 to 24 inches apart.



# Selected Quality Beans

Plant beans after all danger of frost is past, in warm, dry well-prepared soil. The rows should be 2 to 3 feet apart and the seeds covered 1 1/2 to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

For succession, plant every 2 weeks until midsummer. Frequent picking of the crop insures long bearing. Two pounds of seed sow 100 feet.

**Ask for quantity prices on beans.**

We do not pay postage on Beans (except packets). If ordered by parcel post, add 10 cts. extra for first pound, and 1 ct. for each additional pound.

## Dwarf or Bush . Wax Podded PENCIL-POD BLACK WAX

52 days. The meatiest, crispest, most brittle, and entirely stringless Bean grown—the one "Best Bean." It is early, prolific under all conditions, and can be grown for early spring, midseason, and late canning markets. The seed is shining blue-black; the pods are large—5 1/2 to 6 inches long—round, nearly straight and crease-backed, free from fiber, fleshy and brittle, of the highest quality and of a clear yellow color, cooking with a delicious flavor. The bushes are dwarf, prolific, and sure croppers. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## ROUND POD BRITTLE WAX

52 days. The acme of quality in Wax Beans. Early and very productive on good soils, bearing long, round, golden yellow pods, brittle and stringless at all stages. Seeds white with brownish black eye. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## WEBBER OR "CRACKER JACK" WAX

49 days. Flat podded. Pods long, straight and stringless. Brittle pods 6 to 6 1/2 inches long. Color of pod is decided yellow. Seed yellow, kidney shaped. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## DAVIS WHITE WAX

52 days. Well adapted for shipping. Plant large and thrifty. Pods 6 inches long, uniform and attractive; light yellow; fleshy and tender when young but become somewhat fibrous and stringy. Seeds white. Excellent for baking. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## IMPROVED GOLDEN WAX (RUSTLESS)

49 days. Much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4 1/2-5 inches long; 1/2 inch wide, thick, oval; fleshy, brittle, stringless; very prolific. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## HODSON WAX

65 days. Notably resistant to disease. Pods light yellow; 6 1/2-7 inches long; 1/2 inch wide, thick oval; fleshy and tender when very young but become tough and stringy; quite late. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## UNRIVALED WAX

55 days. Both plant and pod are free from rust and blight. Pods semi-flat but fleshy; brittle, stringless and tender. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## SURE-CROP STRINGLESS WAX

**Sometimes sold as Bountiful Wax**

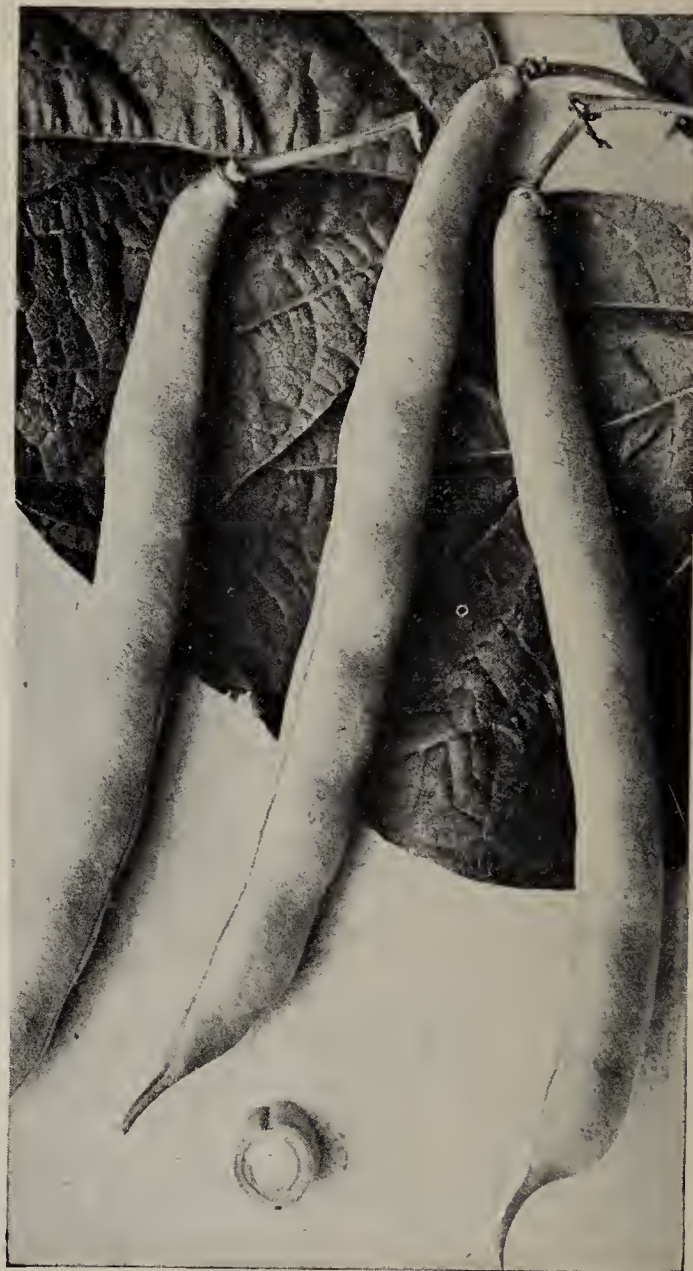
53 days. The pods average 6 to 7 inches long, are very meaty, flat but thick through. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## Artichoke

Seed may be planted during March or April. When large enough to transplant, they should be set in rows about 4 feet apart and about 2 feet apart in the row.

## GREEN GLOBE

Plants of medium height with large thistle-like medium deep green foliage. The edible buds or flower heads are deep green, globe-shaped or ovoid. The fleshy bud scales, moderately broad and full at base, are regarded as a delicacy. Pkts. 5 and 10 cts., 1/2 oz. 30 cts., 1 oz. 50 cts., 1/4 lb. \$1.50.



Pencil-Pod Black Wax

## Dwarf or Bush . Green Podded TENDERGREEN BEAN

**A Better Stringless Green Pod**

54 days. This new variety has proved to be one of the very best green beans with round pods. The pods are long, rather slender, light green, round as a pencil, stringless and of a very high quality, being unusually tender and delicious when cooked. Market gardeners find it a very profitable bean to grow. Is early in production and handsome in appearance and of high quality and yield. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

**Ask for Quantity Prices on Beans**

## BURPEE'S STRINGLESS GREEN POD

52 days. High quality for home and market garden. Plant large, thrifty, heavily productive. Pods medium green; 5 1/2 inches long, almost 1/2 inch wide and equally thick; very fleshy; strictly stringless, fine grained, tender. Seeds coffee brown. Similar to Giant Stringless Green Pod and Full Measure but pods a trifle shorter and thicker. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## RED VALENTINE

52 days. Plant medium sized, erect, compact, hardy. Pods medium green; 4 1/2-5 inches long; 3/8 inch thick; wider than thick; very slightly stringy; extremely fleshy; brittle, fine grained, tender. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.



# Fine Flavored Beans for All Purposes

## DWARF HORTICULTURAL BUSH BEAN

Snap pods 54 days; green shell beans 60 days. Plant medium small, thrifty and productive. Pods dark green at snap stage, 5-5½ inches long; ⅝ inch wide and flat. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## STRINGLESS REFUGEE

70 days. Pods medium green, very uniform, 5-5½ inches long, ⅜ inch thick, round; absolutely stringless, very fleshy, brittle and fine grained. Seeds dark violet-purple splashed with buff. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## GIANT STRINGLESS GREEN POD

54 days. Plant large, hardy, heavily productive. Pods medium green, 6-6½ inches long; ⅜-⅞ inches thick, round; very fleshy, brittle and stringless. Seeds glossy yellowish-brown. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

## BROAD WINDSOR LONG POD

(Also known as Fava Bean and as Horse Bean; not a kidney bean.) Late. Valuable for green shell use. Plant very large and erect, strictly bush. Pods glossy green; 5 inches long, 1¼ inches broad, stout; 3 seeded; smooth. Green shell beans large, broad, flat, light green. Dry seeds very large; circular, flat; pale reddish-brown with black eye. Pkt. 10 cts., 1 lb. 40 cts., 10 lbs. \$3.25.

## Bush Lima Beans

### BURPEE'S IMPROVED BUSH

75 days. This strain of Burpee's Bush Lima has beans of larger size and deeper green color than the old strain and the vines are more true to the bush, forms with fewer runners. The beans are both larger and thicker than the old form and the pods are also larger. Pods 4½ to 5 inches long, 1⅛ inches wide, ⅜ inch thick. Usually contain 4 large, thick beans. Pkt. 10 cts., 1 lb. 35 cts., 5 lbs. \$1.30, 10 lbs. \$2.40.

### FORDHOOK BUSH LIMA (POTATO LIMA)

75 days. Plant large, erect, heavily productive. Pods 4 to 4½ inches long; stout, 1¼ inches wide, ½ inch thick; contain 3 to 4 seeds. Green shell beans large, very plump, of the highest quality. Those who prefer the thick potato Limas will find this strain far superior to any other. It is the most profitable variety to raise for market when the beans are sold in the pods. Dry beans large and very plump. Seeds white. Pkt. 10 cts., 1 lb. 35 cts., 5 lbs. \$1.30, 10 lbs. \$2.40.

## Pole Lima Beans

### KING OF THE GARDEN

88 days. Splendid climber, heavily productive. Pods 6 inches long, 1¼ inches wide, ⅜ inch thick; straight, with 4-5 beans. Seeds large. Thick, flat, white. An improved form of Large White Lima. Pkt. 10 cts., 1 lb. 30 cts., 5 lbs. \$1.15, 10 lbs. \$2.10.

### LARGE GREEN SEEDED

84 days. Seed of a decided green tinge, that is, not bleached ivory-white. Unsurpassed in flavor, of superior quality, averaging 4 to 5 beans to the pod, which are 4½ to 5½ inches long. Pkt. 10 cts., 1 lb. 30 cts., 5 lbs. \$1.15, 10 lbs. \$2.10.

### SEIBERT'S EARLY LIMA

80 days. Early and dependably productive for home, market garden, and for canning. Pods 5 inches long, 1⅛ inches wide, ⅜ inch thick. Seeds large, thick; white. Pkt. 10 cts., 1 lb. 30 cts., 5 lbs. \$1.15, 10 lbs. \$2.10.

## Pole or Running Beans

### KENTUCKY WONDER (OLD HOMESTEAD)

65 days. Unexcelled for home and market garden. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 inches long, nearly round and ½ inch in diameter; slightly stringy, very fleshy, brittle, tender; seeds dun-colored. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

### KENTUCKY WONDER WAX

67 days. Good climber, heavily productive. Pods waxy yellow; 8 inches long, ⅝ inch wide, almost as thick as wide; practically stringless; fleshy, brittle, tender; seeds chocolate brown. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

### LAZY WIFE POLE BEANS

74 days. Excellent for snaps, green shell and dry shell beans for home and market garden. Good climber, heavily productive. Pods medium green; 6-6½ inches long, ¾ inch wide, thick, straight, fleshy, stringless, brittle, tender; seeds plump, white. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.10, 10 lbs. \$2.00.

### LONDON HORTICULTURAL OR SPECKLED CRANBERRY

Snaps 70 days; green shell beans 80 days. Good climber. Pods 6 inches long, ⅝ inch wide, thick, straight, stringless; dark green at snap stage, yellowish-green splashed with violet-red at green shell stage. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.25.

### GOLDEN CLUSTER WAX

Long, broad, deep yellow pods of finest quality; beans white, pods often 7 inches long and an inch broad. Pkts. 5 and 10 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.25.

## Field Beans

### Dwarf or Bush . Green Podded

The following varieties of beans are used for baking, soups, etc., and are grown extensively as field crops. These beans should be planted in rows 28 to 30 inches apart, dropping the seed about 10 to the foot of row. A pound will plant from 100 to 150 feet of row, depending upon the size of the beans.

### LARGE WHITE MARROW OR MOUNTAIN

Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; very vigorous and productive. Pods 5½ inches long. Dry beans medium large, white. 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

### WHITE KIDNEY

Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; hardy, heavily productive. Pods 6-6½ inches long. Beans long kidney shape; white. 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

### RED KIDNEY

Large red, kidney shaped beans. Yields heavily on strong land. Considered one of the most profitable beans to raise for market. 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

### YELLOW EYE

Medium size white beans with yellow spot or "eye." It produces large crops and matures early and is less subject to the diseases which often attack other kinds. 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.

### ROBUST PEA BEAN

An improved strain of Marrow Pea Beans which resists the Mosaic disease that is often very destructive. The beans are small, round and pure white, and of good quality. 1 lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.25.



# Cauliflower and Healthful Vegetables



Super Snowball Cauliflower



Broccoli

## Cauliflower

For many years cauliflower has been considered one of the most delicious vegetables, but until lately it was thought to be hard to grow. However, it is now known that the same methods that produce good cabbage will grow good cauliflower. The only great difference in culture is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. This is most easily accomplished by gathering the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads.

### SUPER SNOWBALL

Stands out as the most valuable Cauliflower. In the tests of the Pennsylvania State College it appeared as the best of all strains. It is early, heads forming all at one time, uniformity of size, shape and type. Round, pure white heads. Of highest quality. Pkt. 25 cts.,  $\frac{1}{4}$  oz. 75 cts.,  $\frac{1}{2}$  oz. \$1.25, 1 oz. \$2.25.

### EARLY SNOWBALL

52 days. The best for greenhouse forcing, early market and shipping. Plants very dwarf. Heads snow white; deep, smooth, compact; about 6 inches across and weigh  $1\frac{1}{2}$  to 2 lbs.; the standard of excellence in cauliflower. This is undoubtedly the finest variety ever introduced; it is the earliest and produces beautiful heads. Pkt. 15 cts.,  $\frac{1}{4}$  oz. 50 cts.,  $\frac{1}{2}$  oz. 90 cts., 1 oz. \$1.75.

### DANISH GIANT . DRY WEATHER

65 days. Dependable variety to plant at the same time as Early Snowball, the crop being ready when Snowball has been harvested; one of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; larger than Early Snowball. Heads large; 6-7 inches across commonly weigh 2 lbs.; white with tinge of cream; of splendid quality. Pkt. 15 cts.,  $\frac{1}{4}$  oz. 50 cts.,  $\frac{1}{2}$  oz. 90 cts., 1 oz. \$1.75.

## Brussels Sprouts

Half dwarf. Plants grow 30 inches tall; very dependable. Stems well covered with small firm cabbage-like balls  $1\frac{1}{2}$  inches in diameter which mature in succession. They are successfully grown wherever conditions are favorable for late cabbage and require the same method of culture. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. \$1.00.

## Broccoli (Calabrese)

### ITALIAN GREEN SPROUTING

Belongs to the cauliflower family and produces a central head which when cut out allows side sprouts to grow up and head. These heads are also cut allowing a third crop of sprouts to grow out and head. Deep green when ready to use. Pkt. 10 cts.,  $\frac{1}{2}$  oz. 25 cts., 1 oz. 40 cts.

## Cress

### CURLED OR PEPPER GRASS

Very hardy, fast growing annual which produces in a few weeks a good supply of attractive, finely curled dark green foliage which is splendid for garnishing and of a pleasant pungent flavor. The plant is decorative. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts.

### WATER CRESS

50 days. A favorite dressing for dishes and a desirable form of Greens. Will only thrive well when the roots are submerged in water, grows best along banks of small running streams. Pkts. 5 and 10 cts., 1 oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00.

## Corn Salad or Fetticus

### LARGE SEEDED . LARGE LEAVED

A small, quick-growing salad plant. The leaves are used as a substitute for lettuce and spinach. In fall, sow the seed in shallow drills. The plants will also do well if the seed is sown early in spring. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts.

## Chicory

### WITLOOF OR FRENCH ENDIVE

The carefully trimmed roots when buried upright in damp sand and given the proper conditions each produce a handsome compact cluster 4-5 inches long of blanched leaves which are tender and have a rich, mildly acid flavor. Pkts. 5 and 10 cts., 1 oz. 25 cts.,  $\frac{1}{4}$  lb. 75 cts.

## Collards

### GEORGIA SOUTHERN OR CREOLE

Non-heading form of the cabbage family very generally grown for greens in home and market gardens in the South. Plant 2 to 3 feet tall, erect, spreading, and with numerous large leaves; forms at the top a loose cluster or head of tender leaves. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts.



# Nutritious Carrots

Carrots contain large amounts of those elements which the human body needs for health and strength. They require about the same simple care as beets, they have no serious insect enemies, and they are rarely attacked by disease. Since freshly manured soil often causes divided roots, it is best to plant them in soil that has been richly fertilized the previous season. Plant the seed one-half inch deep in loose, well prepared soil, making rows 16 to 24 inches apart. Cultivate as soon as the plants are well established and thin to 2 or 4 inches in the row according to the size of the variety. Plantings may be made from early spring until mid-June. For winter storage the later date is advisable.

## RED CORED CHANTENAY

70 days. New and very greatly improved selection. Identical in size and form with the Chantenay but its deep orange-red color goes through to the very center. The yellow rind usually found around the core of carrots has been bred out in this new variety and a much sweeter, richer flavor has been acquired, enough to fully establish its superiority. The superb color, fine quality, crispness and heavy yield all combined will undoubtedly make this the most popular carrot variety on the list as soon as it becomes known. Pkts. 5 and 10 cts., oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

## THE NEW IMPERATOR

77 days. New. **All-American Selection, Award of Merit Winner.** Remarkable introduction which fills the great demand for a longer Carrot than Chantenay but with the quality of this short-rooted variety. Imperator has attractive roots, 7 to 8 inches long, slightly tapering, sloping shoulders and just enough top to bunch well; a little longer root than Danvers. Imperator color is deep solid orange from the exterior all through to the middle of the root. It is prolific and of high quality, brittle, tender, sweet and delicate in flavor. We recommend this outstanding Carrot for home gardens, truckers and shippers. Pkts. 5 and 10 cts., oz. 15 cts., ¼ lb. 45 cts., 1 lb. \$1.50.

## DANVERS . HALF LONG

75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6 to 8 inches long, 1¾ inches thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

## NEW BUNCHING

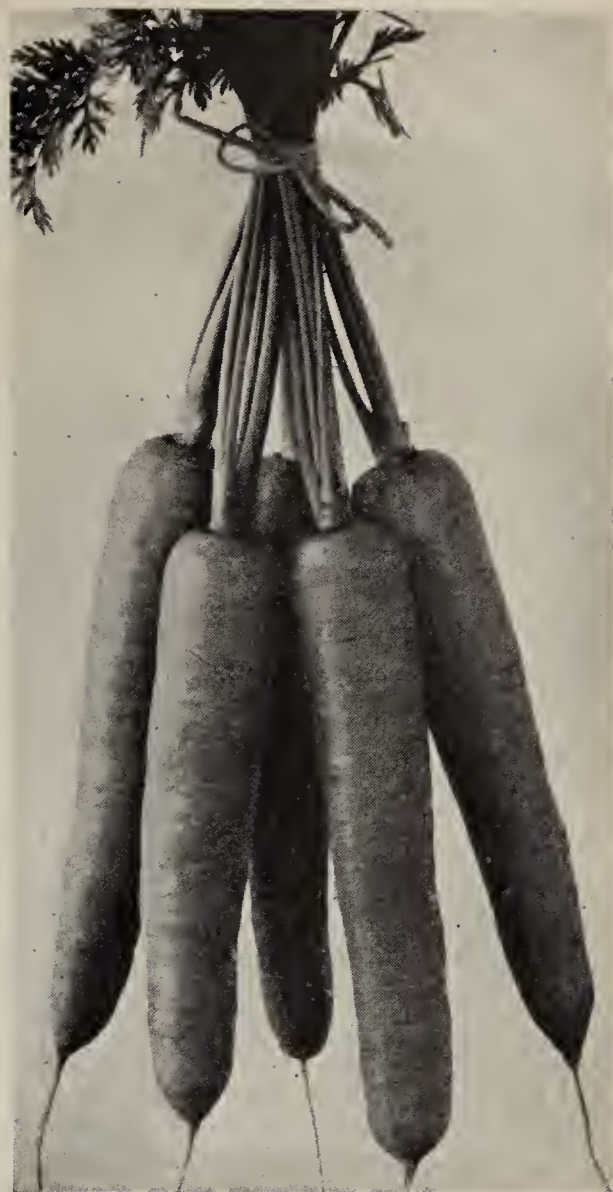
72 days. **Gold Medal.** Cylindrical, half-long carrot, of ideal size and shape for bunching. Color is a fine deep orange throughout with a small, indistinct core. Tops are short, rather bushy and strong but not coarse at the neck. Quality is fine and flesh is tender and sweet. This was developed as a bunching carrot for market and long distance shipping and makes a splendid appearance. It is equally as desirable in the home garden, just the right size and shape that appeals. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ oz. 45 cts., 1 lb. \$1.50.

## SCARLET NANTES OR CORELESS CARROT

70 days. Because of the delicate texture of the roots this carrot is often referred to as "Coreless." It is half long and stump-rooted, averaging from 6 to 7 inches in length when mature. The flesh is very fine grained, absolutely without any woody heart or core. The color of the flesh is a rich red-orange and its flavor is of the finest. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 45 cts., 1 lb. \$1.50.

## CHANTENAY

70 days. Splendid general purpose carrot; much used in home and market garden and for shipping bunched. Extensively grown for winter storage. Dependably heavy yielder. Roots deep reddish-orange; thick at top; tapered; stump-rooted; flesh deep orange. A most excellent, medium early half-long variety. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.



New Bunching Carrot

## OX-HEART OR GUERANDE CARROT

75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper and much used for stock feed. Roots scarlet-orange; broad, blunt, heart-shaped; become 4½ to 5 inches long; easily harvested. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.00.

## WHITE BELGIAN

90 days. Late; heavily productive; grown for stock. Roots 8 to 10 inches long, 3 to 4 inches thick at the top; tapered; pointed. 1 oz. 10 cts., ¼ lb. 30 cts., 1 lb. 90 cts.

## Mustard

### SOUTHERN GIANT CURLED

Very hardy and the most popular for greens. Leaves large and wide, bright green and very curly on the edges. The plant, although slightly spreading, is quite upright in growth. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. 90 cts.

## Celeriac

### LARGE SMOOTH PRAGUE

Turnip-rooted celery. Roots 3 to 4 inches in diameter; globular; fairly smooth; stalks hollow, dark green. Pkts. 5 and 10 cts., 1 oz. 20 cts., 2 ozs. 35 cts., ¼ lb. 65 cts.

## CHIVES

(Allium Schoenoprasum.) Small perennial of the onion family; readily propagated from seeds; leaves used in salads and for flavoring soups and stews; flowering plant is decorative. Pkts. 5 and 10 cts., ¼ oz. 25 cts., 1 oz. 70 cts.



# Cabbage For All Seasons

## First Early Cabbage

For early cabbage, plants may be started indoors or under glass as early as March 1st. They should be spaced 3 inches apart each way when pricked out into boxes and should be gradually hardened off by exposure to cooler outdoor conditions. Transplant in the open as soon as the ground can be properly prepared. No better seed is obtainable than our pure bred strains.

One ounce of Cauliflower or Cabbage  
Seed will make 3,000 plants

### GOLDEN ACRE

60 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weigh 3 lbs. This is similar to Copenhagen Market but is several days earlier and the heads are smaller. It is earlier than Early Jersey Wakefield. Pkts. 5 and 10 cts., 1 oz. 35 cts., ¼ lb. \$1.15, 1 lb. \$3.50.

### COPENHAGEN MARKET

66 days; distinctly and uniformly early: Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm with firm outside leaves. Interior clear white and of excellent quality. Pkts. 5 and 10 cts., 1 oz. 30 cts., ¼ lb. 90 cts., 1 lb. \$2.75.

### EARLY JERSEY WAKEFIELD

62 days. Extremely early variety; very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing very close planting; stem short. Heads conical, usually 7 inches long, 5 inches thick near base, firm and weigh 2 to 2½ lbs. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.25.

## Second Early and Intermediate Cabbage

### EARLY DWARF FLAT DUTCH

71 days. Splendid for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep and weigh 4½ to 5 lbs.; firm and of high quality. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.25.

### EARLY WINNIGSTADT

77 days. Very hardy and dependable; particularly valuable for shipping as well as for home and market garden. Heads extremely firm; heart-shaped; become 8 to 10 inches long and 6 to 7 inches thick near base, and weigh 5 lbs.; of splendid quality. Every plant forms a good head. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.25.

### GLORY OF ENKHUIZEN

73 to 80 days. Particularly valuable for kraut; also popular for home and market garden. Heads very large; globular; 8-9 inches in diameter; firm; commonly weigh 8 to 10 lbs.; stem medium short. Only a week or ten days later than Copenhagen Market. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.25.

### ALL SEASONS

90 days. Splendid general purpose cabbage; good winter keeper; widely used for kraut; remarkably thrifty in hot dry weather. Heads large; commonly 10-11 inches across, 8 inches deep and weigh 9 to 10 lbs.; of splendid quality; a heavy yielder. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.25.



Penn State Ball Head

## Autumn and Winter Cabbage

### DANISH BALL HEAD SHORT STEM

83 days. Danish Ball Head is the best late cabbage offered to the trade. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8-9 inches across, 6-7 inches deep and weigh 7 to 9 lbs. Very firm and solid, of excellent quality and keep perfectly in storage until late spring. Pkts. 5 and 10 cts., 1 oz. 30 cts., ¼ lb. 85 cts., 1 lb. \$2.75.

### PREMIUM LATE FLAT DUTCH

105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12-14 inches across, 7 inches deep and weigh 12 to 14 lbs. or more; firm and of good quality. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.25.

### DANISH ROUNDHEAD

This is the short-stem Ballhead type, well known and much prized because of its blight-resistance, solidity, and heavy yield. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

### PENN STATE BALL HEAD

(Original Strain)

A new development of shipping cabbage. A variety developed by the Division of Plant Breeding of Pennsylvania State College and Experimental Station. Penn State Ball Head shows records of over 20 tons per acre. This extra tonnage, combined with fewer cracked heads and better storage quality placed Penn State Ball Head in a class of its own. Pkt. 10 cts., 1 oz. 30 cts., ¼ lb. 90 cts., ½ lb. \$1.75, 1 lb. \$3.00. (Penn State College Sealed.)

### WISCONSIN NO. 8 (YELLOW RESISTANT)

105 days. Splendid, late cabbage for storage, shipment and kraut manufacture. Strain developed at the University of Wisconsin; heavy yielder on land infested so badly with the yellows disease that other varieties fail completely. Plants large and very hardy. The heads are large, globular to flattened globe shape, very firm; weigh 7 to 9 lbs., of excellent quality and keep well until spring. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 85 cts., 1 lb. \$2.50.

NOTE—Slug Shot kills cabbage worms absolutely. Can be used without danger. Lb. 25 cts. (postpaid 30 cts.), 5 lbs. 85 cts. (postpaid \$1.00).



# Crisp Appetizing Cabbage and Celery

## CABBAGE . LATE . Continued

### MAMMOTH ROCK RED

90 days. The best red cabbage; splendid winter keeper. Heads round to slightly flattened globe shape; commonly 7 inches in diameter and weigh about 7 pounds; very hard; deep purplish-red. Every plant will produce a good head under favorable conditions. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

### SAVOY . IMPROVED AMERICAN

85 days. The best of the Savoy group for home use and market. Leaves blistered; stem short. Heads flattened globe shape; large, firm; interior leaves crumpled, attractive light yellow; of distinct flavor. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.25.

## Chinese Cabbage

Combines the qualities of both celery and cabbage and is highly prized as a salad vegetable. Plant seed out of doors at the same time as turnip. Thin 12 to 16 inches apart in the rows. If planted too early, this species will "bolt" during hot weather and fail to form heads.

### CHIH LI

Early and very sure heading. Head becomes 18-20 inches tall, 3½-4 inches thick, tapered near tip, very firm, well blanched, crisp, tender and sweet. Superior to Chinese Improved or Pe Tsai. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

### WONG BOK

Heads 8-10 inches tall; broad; firm. Well blanched, tender and of excellent quality. Has become popular for market. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 75 cts., 1 lb. \$2.50.

## Celery

For the earliest crop start the seed in a hotbed or in the house during February or March. For the fall or main crop, sow the seed in the open ground as early in the spring as the soil can be worked into good condition. They will be ready for setting in rows in July. Celery requires a rich, well-manured soil and plenty of moisture so that it can make a continuous growth. One oz. sown in the seed-flat gives 8,000 to 10,000 good strong plants.

### FORDHOOK

130 days. A dwarf of superior excellence and very showy foliage dark green, to be at once noted because of its particularly upright growth of unusually thick stalks, very solid and large, no suckers, sixteen inches high, and edible stalks of half that height. Pkts. 5 and 10 cts., 1 oz. 40 cts., 2 ozs. 70 cts., ¼ lb. \$1.25, 1 lb. \$4.50.

### GIANT PASCAL

Matures late. Desirable for home and market garden. Plant large and compact. Leaf stalks long, thick and solid; of unsurpassed rich, nutty flavor. Pkts. 5 and 10 cts., 1 oz. 35 cts., 2 ozs. 60 cts., ¼ lb. \$1.00, 1 lb. \$3.50.

### GOLDEN PLUME OR WONDERFUL

This new variety of celery resembles Golden Self Blanching but is much larger and ranker in growth, blanches more quickly, matures earlier and very desirable for shipping and for home and market garden, and is of the finest table quality. Pkts. 5 and 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, ¼ lb. \$2.00, 1 lb. \$7.00.

### EASY BLANCHING

Splendid early variety for home and market garden. Makes vigorous, erect, compact growth; blanches very readily; stalks thick, solid, of a rich, nutty flavor; a good keeper. Pkts. 5 and 10 cts., 1 oz. 50 cts., 2 ozs. 75 cts., ¼ lb. \$1.25, 1 lb. \$4.00.



Chinese Cabbage . Wong Bok

### GOLDEN PHENOMENAL CELERY

Very desirable for shipping. Plants ready for use early; full hearted; compact; with long, edible stalks that are thick, solid, blanch readily, and are of rich, nutty flavor. Pkts. 5 and 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, ¼ lb. \$2.00, 1 lb. \$7.00.

### GOLDEN YELLOW SELF BLANCHING DWARF

Standard market and shipping sort. Plants medium sized, stocky; 14 to 18 inches tall; leaf stalks thick, solid, blanch readily and of sweet nutty flavor. Pkts. 5 and 10 cts., 1 oz. 50 cts., 2 ozs., 90 cts., ¼ lb. \$1.60, 1 lb. \$5.00.

### GOLDEN DETROIT

This new development of the Golden Self Blanching type emphasizes all the good points of its class and is without its usual fault. Plants very compact and full hearted. Stems broad, thick and ordinarily 7 to 8 inches long; blanch easily to a rich creamy-yellow, free from strings. A wonderful celery for shipping and storage. Pkts. 5 and 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, ¼ lb. \$2.00, 1 lb. \$7.00.

### FLORIDA GOLDEN

A selection from Golden Plume, bred for taller growth, increased weight and larger, thicker stems; matures early. Hearts blanch to a rich cream color of exceptionally fine quality and excellent flavor; stems broad and thick, solid and crisp. Plants full hearted and compact. A wonderful celery to raise for an early crop. Pkts. 5 and 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, ¼ lb. \$2.00, 1 lb. \$7.00.

### WINTER QUEEN

The best winter variety. Moderately dwarf, erect, compact with solid heart. Pkts. 5 and 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, ¼ lb. \$2.00.

We always try to write reliable, true descriptions of our flowers and vegetables. They will fulfill the promises made for them.



# Golden Yellow Sweet Corns of Special Merit

## CONTROL OF CORN EARWORM

The ears of sweet corn are attacked by young caterpillars which feed first on the growing silk and later work down into the ear, eating the kernels. Early maturing varieties of plants are less subject to injury from the caterpillars. Sweet corn may be protected by dusting with a combination of lead arsenate and dusting sulphur, using equal parts of the materials. The dust should be applied as soon as silk forms on the developing ears. It may be necessary to make several applications, as the ears do not all develop at the same time.

### Golden Cross Bantam

88 days. Highly resistant to Stewart's disease and very prolific. Stalks sturdy with exceptionally broad, dark green leaves. Ears 10 to 14 rowed, 7½ to 8 inches long. Slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. This hybrid is extremely uniform in plant and ear characteristics and in maturity. Excellent for market gardeners. Pkt. 10 cts., ¼ lb. 20 cts., ½ lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.00.

In Sweet Corn demonstrations conducted by Agricultural Extension workers this year Golden Cross Bantam, a new variety, was practically free from wilt in all demonstrations.



Golden Cross Bantam Corn

### GOLDEN SUNSHINE

76 days. An earlier Golden Bantam. A yellow early, high quality sweet corn ready for market ten days earlier than Golden Bantam, but dwarfer in growth. The ears are 6½ inches long, 12 rows of broad yellow sweet grains. It is especially desirable for its extreme earliness. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

### WHIPPLE'S EARLY YELLOW

84 days. Deservedly popular as a large eared second early sort, for home and market garden. Stalks sturdy and erect; ears 12 to 14 rowed, strong husks, well filled at tips. Kernels golden yellow, fairly deep, sweet, and of good flavor. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

### GOLDEN EARLY MARKET

75 days. Earliest, large, true Sweet Corn of golden color. The ear is larger than Golden Sunshine and 10 days earlier than Golden Bantam. It is the outstanding early yellow Sweet Corn of highest quality. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

### BARDEN'S WONDER BANTAM

82 days. 8 rowed, with the matchless sweetness and color of the old reliable Golden Bantam, but the ears are larger (eight to ten inches long) and set up higher on a more sturdy stalk, from five to six feet high. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

### GOLDEN OR BANTAM EVERGREEN

89 days. A cross between Golden Bantam and Stowell's Evergreen. Ears 7 to 8 inches long, with 12 to 14 rows of large yellow kernels which are of fine quality. Matures later than Whipple's Yellow and Golden Giant, which are the two varieties that it most closely resembles. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

### TOP CROSS SPANISH GOLD

Four days earlier than Golden Bantam and generally twice as productive, the attractive 8-inch 12-rowed ears command a premium on the market. For tenderness and succulence we have never seen its equal and it holds this fine quality 2 to 3 days longer than other corns. Produces heavy crops in areas where Golden Bantam succumbs to bacterial wilt (Stewart's Disease). Compares favorably with the Evergreens in canning cost. Pkt. 15 cts., ¼ lb. 25 cts., ½ lb. 40 cts., 1 lb. 65 cts.

### GOLDEN BANTAM

80 days. The best strain of Golden Bantam offered to the trade. As early as Sunshine and of incomparably better quality. Plants dwarf; 4½ to 5 feet tall; very productive, commonly bearing 2 ears. Ears 6 to 7 inches long; strictly 8 rowed; very uniform. Kernels rich golden yellow, very tender, sweet and of splendid rich flavor. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

### GOLDEN ROD

A mid-season yellow corn of real merit. It is of the Golden Bantam type, but the ears are longer and have 14 rows. Average length of ear, seven inches. The stalks are also taller than Golden Bantam, averaging nearly seven feet. It is a very good variety to follow Bantam, on account of its larger size, fine color and flavor. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

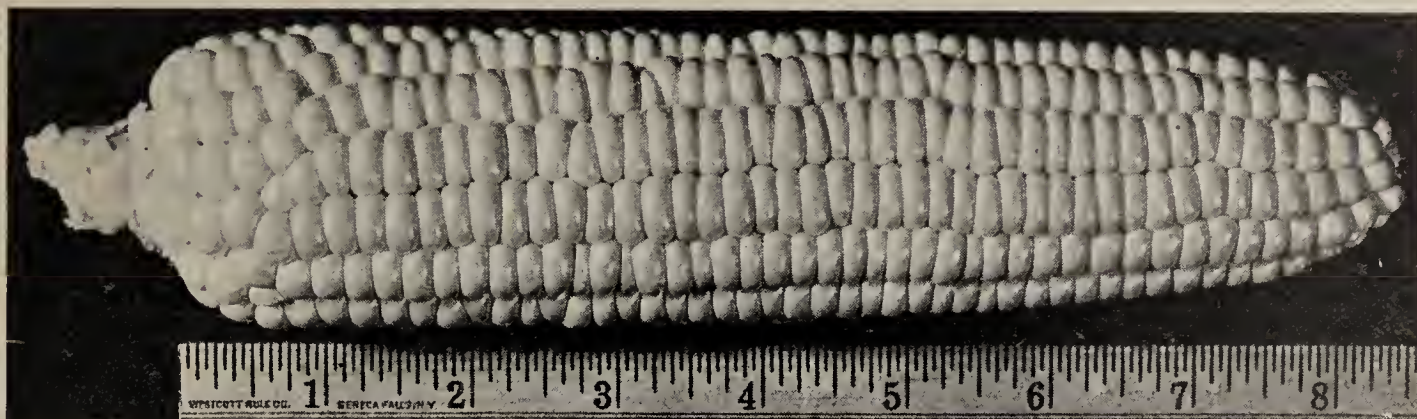


Golden Bantam Sweet Corn



# Finest White Sweet Corn

Seeds may be planted either in rows or hills. If planted in rows, they should be spaced from 2½ to 4 feet apart, depending on the height of the variety; seeds should be dropped at the rate of 5 or 6 to the foot, and covered about 2 inches deep. If planting in hills, drop 5 or 6 seeds per hill and space the hills 3 feet apart each way. When plants are 4 to 5 inches tall, thin from 8 to 12 inches apart and keep well hoed until the ears are set.



Gill's Early White Market Corn

## GILL'S EARLY WHITE MARKET

The earliest Sweet Corn. By planting this variety, you can enjoy good fresh Sweet Corn a week to ten days earlier than you otherwise would. Many ears measure 8 inches long and have 12 to 14 rows of pure white kernels. The quality of the Corn is excellent for so early a variety, being better than any other kind that matures quickly. We are sure market growers will find this a very profitable Corn as it can be put on the market before any other variety of anywhere near its size. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 50 cts., 6 lbs. \$1.50.

## HOWLING MOB

85 days. A large-eared, early Sweet Corn generally producing two good ears to a stalk, averaging 7 to 9 inches long, with 12 to 14 rows of pearly white grains. The stalks grow 4 to 5 feet high. An excellent home or market sort. Always dependable. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

## EARLY EVERGREEN

90 days. Very valuable canning and market sort about 1 week earlier than Stowell's Evergreen from which it was developed. Plants 6½ to 7 feet tall. Ears about 7½ inches long, 2½ inches thick with 14 to 20 rows of very deep, white, sweet, tender kernels that remain fresh and tender remarkably long. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

## STOWELL'S EVERGREEN

95 days. Standard late variety very valuable for canning and much grown for market. Plants 7 to 7½ feet tall. Ears 8 inches long; 2¼ to 2½ inches thick; 14 to 20 rowed. Kernels very deep, white, sweet and tender and remain in table condition a long time. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

## COUNTRY GENTLEMAN

93 days Heavy yielding variety with Evergreen character. Valuable for home, market garden and especially for canning. Plants 6½ to 7 feet tall, commonly with 2 or more ears. Ears 7½ to 9 inches long, 2 inches thick; set solid with irregular rows of kernels. These are white; shoe-peg form, very deep; sweet and tender. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

## BLACK MEXICAN

88 days. Plants 6½ feet tall. Ears 8 to 9 inches long; 8 rowed; very uniform. Kernels clear white at table stage; tender and of a rich sweet flavor; become uniform blue-black when ripe. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 6 lbs. \$1.50.

## Pop Corn (Shelled)

Pop Corn is harder than Sweet Corn, and for that reason the seeds may be planted a week earlier. One oz. will give 40 ft. of row; 130 days are required from time of planting until the ears have reached the point where they can be harvested.

## SOUTH AMERICAN YELLOW

Known under various names, Dynamite, Yellow Giant, etc. It is the most profitable variety to grow, the ears are large, 7 to 9 in. long, of golden yellow color, producing more bushels per acre. Our seed is of South American origin. Matures early in Pennsylvania. Pkt. 5 cts., ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts.

## JAPANESE HULLESS

Plants 5 feet tall. The ears are short and thick. The kernels are small, nearly white color and much the shape of White Rice. They pop readily and the popped corn is very tender and of the finest quality. Very early variety. Large and snow white when popped. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts.

## GOLDEN QUEEN

115 days. A productive variety with quite large, golden yellow kernels which pop into large, pure white, fluffy flakes. It is the standard variety for popping. Stalk 6½ to 7 feet high. Ears 5 to 7 inches long. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts.

Ask for quantity prices.

### Plant Your Corn and Forget About Root Diseases. Use SEMESAN, JR.

The dust disinfectant for seed, field and sweet corn. Controls corn root rot diseases. Prevents seed from rotting in ground. Generally increases yield 10 to 15 per cent. Costs only 2½ cents an acre to apply. 4 ozs. 50 cts., 1 lb. \$1.50.

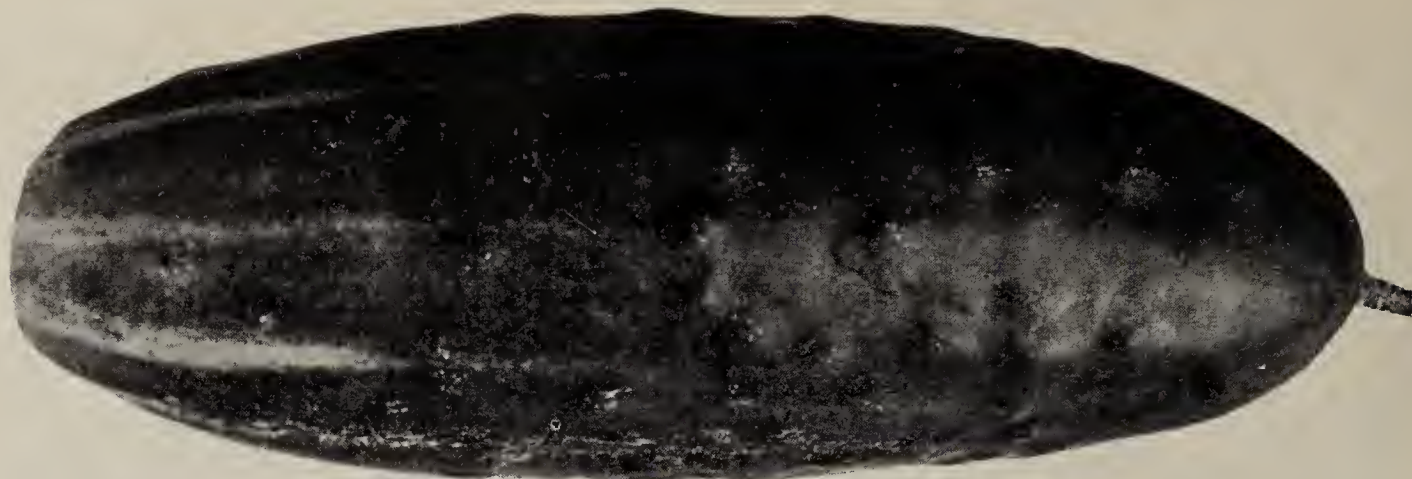
### Plant Your Corn and Forget About the Crows

#### USE Stanley's Crow Repellent

As hundreds of corn growers have been doing for over twenty years. Large can, enough for 2 bu. of seed corn (8 to 10 acres), \$1.00; half size can 60 cts. "Money back" guarantee.



# PROLIFIC CUCUMBERS



Early White Spine Cucumber

## Carefully Selected Strains, True to Name and Very Best for Table and Pickling

**CULTURE**—Do not plant Cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage them or kill them. Plant in hills or rows 4 feet apart, 10 to 15 seeds to each hill; make soil very rich. For pickles, plant from June first to middle of July.

The shortage of cucumber seeds, due to the drought last year, has necessitated a slight increase in prices.

Spray your Cucumber plants with Pyrox or Bordeaux Mixture and Arsenate of Lead as soon as they appear, then three or four times during growth. It kills the bugs and prevents blight.

### EARLY WHITE SPINE

60 days. The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 inches long; 2½ inches thick; slightly tapered; blunt. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 55 cts., 1 lb. \$1.75.

### LONG GREEN IMPROVED

70 days. Vines very vigorous and productive. One of the best, if not the best, variety for slicing and salting. A very shy seeder, but very prolific, black spines. A universal favorite. Hardy and disease resistant, fruit somewhat pointed at the ends with warts particularly on stem end. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 60 cts., 1 lb. \$2.00.

### LONG GREEN

70 days. A good all-round Cucumber. One of the best varieties for slicing, and when young are excellent for pickling. Vines are hardy and vigorous, producing long, dark green fruits in great abundance. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 55 cts., 1 lb. \$1.75.

### NEW LONGFELLOW

72 days. Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface, retain the color remarkably long after picking; white spined; 12 to 14 inches long; 2½ to 2¾ inches thick; straight, well filled at ends; very few seeds. Pkts. 5 and 10 cts., 1 oz. 25 cts., ¼ lb. 60 cts., 1 lb. \$2.00.

If cucumbers are left on vine to ripen they destroy its productiveness. One ounce will plant 50 hills; two pounds will plant an acre.

### DAVIS PERFECT

68 days. An improved strain of white spine. Splendid dark green slicing variety, particularly valuable for shipping. Fruits very dark green; retain color long after pickling; 9 to 11 inches long; 2½ inches thick; somewhat tapered at both ends; very few seeds. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 55 cts., 1 lb. \$1.75.

### EARLY CLUSTER

56 days. Very fine pickling sort; very popular for early slicers. Fruits medium dark green; black spined; 5½ inches long; 2¾ inches thick; cylindrical and full at both ends. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 55 cts., 1 lb. \$1.75.

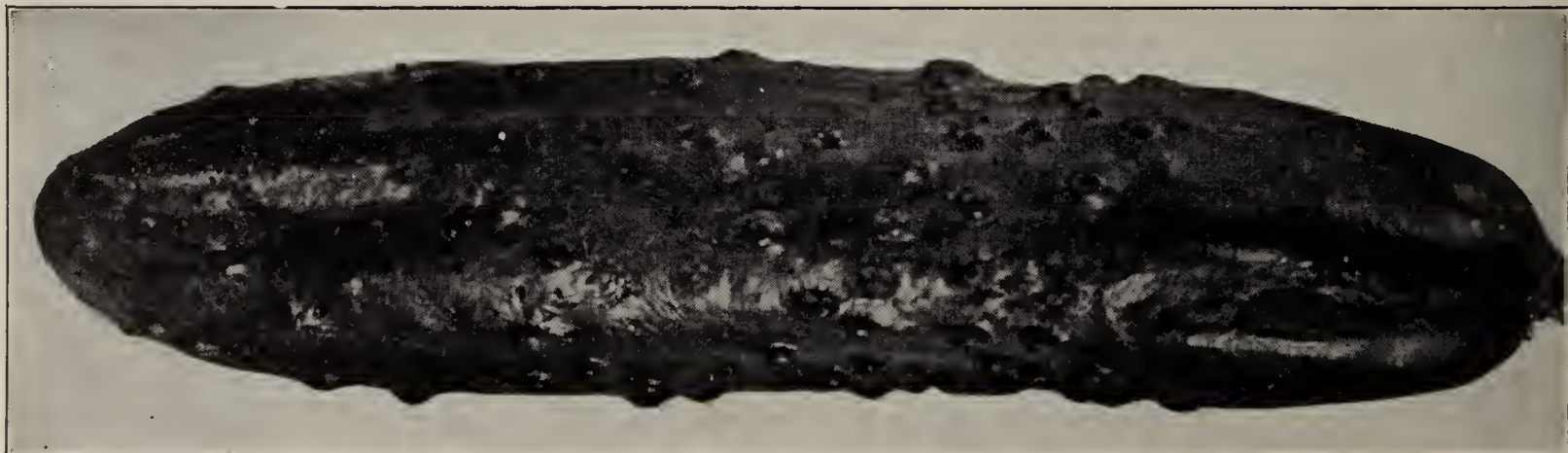
### STRAIGHT-8 CUCUMBER

All American selection 1935. An outstanding variety offered for the first time this year. Produces symmetrical, cylindrical fruits 8 inches in length, 1½ inches in diameter. Fruits are well rounded, deep green and free from objectional striping or tipping. An ideal shipping variety, also equally desirable for the home or market garden. 15 ct. pkts. only.

### EARLY FORTUNE

66 days. One of the most desirable slicing sorts; extensively grown for shipping. Fruits very dark green, color retained a long time after harvest; white spined; 8 to 9 inches long; 2½ inches thick; only slightly tapered; very uniform. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 55 cts., 1 lb. \$1.75.

PLEASE WRITE FOR MARKET PRICE ON LARGER QUANTITIES



Davis Perfect Cucumber



# Vegetables Full of Vitamines

## Cucumbers for Pickling

### BOSTON PICKLING

60 days. Splendid pickling and slicing sort. Fruits medium dark green; black spined; 6 to 7 inches long, 2½ inches thick; symmetrical; only slightly tapered. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 55 cts., 1 lb. \$1.75.

### CHICAGO PICKLING

60 days. Very prolific and one of the most popular kinds for pickling and slicing. Fruits deep medium green; black spined; 6 to 7 inches long, 2½ to 2¾ inches thick; taper very slightly toward each end; uniform. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 55 cts., 1 lb. \$1.75.

### SMALL GHERKIN

60 days. Of superior quality for pickles. This is the true West India gherkin, and not a true cucumber. Very prolific; fruits for pickles are produced in about 60 days. Fruits pale green; prickly over entire surface; become 1½ to 2 inches long; oval; very uniform; seeds numerous and small. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 60 cts., 1 lb. \$2.00.

## Dandelion

Sow early in spring in very warm, rich soil, in drills 18 inches apart; thin to 5 inches and cultivate well; they will be fit for cutting the next spring.

### IMPROVED THICK LEAVED

Very superior strain. Makes vigorous, very compact growth. Produces a spreading rosette of leaves 18 to 24 inches across; leaves very numerous, thick in texture and blanch readily. Pkts. 5 and 10 cts., 1 oz. 50 cts., ¼ lb. \$1.60, 1 lb. \$5.50.

### CULTIVATED OR FRENCH COMMON

Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 60 cts.



Black Beauty Egg Plant

## Egg Plant

Plant requires continuous warm weather for best results. The seed germinates slowly and should be started in a hot bed. The plants may be set out in the open ground when 2 inches tall if continued warm weather is in prospect. Space the plants 2½ to 3 feet apart. Young plants should be shaded from hot sun.

### BLACK BEAUTY

Popular home and market sort. Plants thrifty, 24 to 30 inches tall, commonly bear 4 to 6 large fruits which are smooth, broad egg-shape; uniform, very rich dark purple and retains the color. Pkts. 5 and 10 cts., 1 oz. 40 cts., ¼ lb. \$1.35, 1 lb. \$4.00.

### LARGE NEW YORK PURPLE . IMPROVED

The standard home and market sort. Plants large, 30 to 36 inches tall; very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical broad egg-shaped fruits. Pkts. 5 and 10 cts., 1 oz. 40 cts., ¼ lb. \$1.35, 1 lb. \$4.00.

## Endive

For early use, sow about April 15th; for later supply, sow in June or July in rows 14 to 20 inches apart and when well started thin the plants to 1 foot apart. When nearly full grown, tie the outer leaves together over the center in order to blanch the heart of the plant. Just before killing frosts in the fall, dig the plants, being careful to take plenty of soil with the roots and to avoid injury to the leaves. Pack the plants closely together, store them in the cellar.

### BROAD LEAVED BATAVIAN OR ESCAROLLE

Grown in market gardens and for shipping. Plants large; leaves broad, thick, somewhat twisted; heart very compact and blanches readily. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.10.

### GREEN CURLED . GREEN RIBBED

A variety with deeply cut leaf margins but not curled as is Moss Curled. It is medium large in size and blanches well at the heart in late summer. Mid-ribs are pure green. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.10.

### GIANT GREEN CURLED OR RUFFICK

30 days. This variety is sometimes called Oyster as in the Eastern States where Oysters on the shell are exhibited, it is frequently used as a garnish to display them. This is a hardy growing variety, with deep green leaves. When tied up these plants of red footstalks bleach white very quickly. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.10.

## Kohl Rabi

Kohl Rabi is a member of the cabbage family grown for the swollen turnip-like structure or bulb which forms just above the ground line and below the first leaves.

### EARLY PURPLE VIENNA

60 days. Standard early sort. Plants small; leaves dark green with profuse purple satining. Bulbs flattened globe-shape, best for use when 2 to 2½ inches in diameter; exterior purple, but flesh white; mild, crisp, tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 50 cts., 1 lb. \$1.75.

### EARLY WHITE VIENNA (FOR FORCING)

Produces bulbs of 2½ inches in diameter 55 to 60 days after seed is sown out of doors. The standard sort for forcing and for home and market garden use. Plants very small; leaves medium green. Bulbs flattened globe shape; pale green; used when of 2 to 2½ inches in diameter but grow much larger; interior white, mild, crisp and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 50 cts., 1 lb. \$1.75.

## Kale or Borecole

Kale is a very hardy non-heading member of the cabbage family, very generally grown in the South for use as greens.

### DWARF GREEN CURLED

A popular home garden sort of exceptionally hardy growth. The low spreading plant bears finely curled, large, parsley-like leaves much used for greens and for garnishing. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 80 cts.

### SIBERIAN

Also called "Sprouts." A very hardy kale of dwarf growth with broad thick leaves curled on the edges. The color is light bluish-green. Our strain is uniform and true to type. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 80 cts.

## Leek

### LARGE FLAG

Early. A popular gardeners' variety, with long, thick, well blanched stem. Leaves a trifle lighter green than those of Monstrous Carentan. Similar to London or American Flag. Pkts. 5 and 10 cts., 1 oz. 20 cts., ¼ lb. 50 cts.

## Okra

### DWARF GREEN PROLIFIC

Very early. Plants 3 to 3½ feet tall; pods dark green, very fleshy and tender, become 3 to 3½ inches long and 1¾ inches in diameter, blocky, ribbed. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.



# Leaf and Heading Lettuce

## Lettuce

### Loose Leaf Varieties

Lettuce seed germinates quickly and may be planted as soon as the cold wet days of spring are past. Sow seed in rows 15 to 18 inches apart, covering not more than  $\frac{1}{2}$  inch deep. The loose leaved type may be thinned to an inch or so apart as soon as a few leaves are formed, and when large enough for the table, they may be thinned as used. In this way space is provided at about the same rate as required for normal growth.

#### BLACK SEEDED SIMPSON

Early. Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact; with broad, frilled light green leaves that are of fine crisp texture and splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

#### EARLY CURLED SIMPSON . W. S.

Early. Plant large, compact, bright light lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

#### GRAND RAPIDS . B. S.

Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact and handsome; bright solid light green; leaves large, broad, margin much waved and frilled; very tender and sweet when grown under glass. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

#### PRIZE HEAD . W. S.

Very early, quick growing and one of the most popular for home gardens, particularly on the Atlantic Coast. Plant medium large, strictly loose-leaf; leaves broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

## Heading Varieties

The seed should be sown in boxes indoors or in the hot bed and set out as soon as weather conditions are favorable. If this is not practicable, sowing may be made in the open ground as soon as soil and weather conditions permit. The plants should be thinned to 10 inches apart in the row and thorough cultivation given.

#### ICEBERG . W. S.

82 days. Very popular for near markets and home garden; tender head and thin leaves make it unsuitable for shipping. Plant large with broad, crisp, wavy light green leaves tinged brown on margins. Head very large, hard, crumpled; white inside; crisp, very sweet and of good quality but not buttery. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

#### BIG BOSTON . W. S.

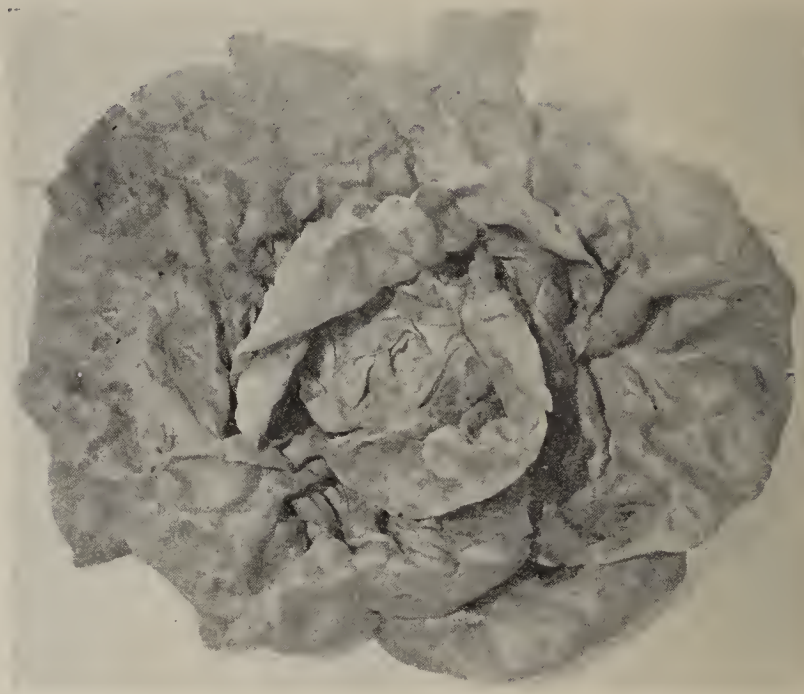
76 days. Especially valuable for summer and fall use out-of-doors, and for hot bed and cold frame culture. It is a cabbage, butter-head type with glossy, plain edged leaves tinged brown on the margins; forms a firm, well folded head, buttery-yellow at the heart and of excellent quality. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

#### NEW YORK SPECIAL NO. 12

An early variety which does well in mid-summer and is an even and well-bred selection. It is a trifle lighter in color than other strains of New York but is popular with shippers. Pkts. 5 and 10 cts., 1 oz. 20 cts.,  $\frac{1}{4}$  lb. 60 cts., 1 lb. \$2.00.

#### MAY KING . W. S.

61 days. The earliest heading lettuce. Plants small, allowing very close planting; light green tinged slightly with brown; head medium small, round, firm; interior rich golden yellow, buttery, of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.



Big Boston Lettuce

### WHITE BOSTON LETTUCE

This is a cabbage, butter-head type, leaves smooth and straight on the edges. Plant and head entirely light green; heart buttery and yellow. The heads resemble Big Boston. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 45 cts., 1 lb. \$1.50.

### CRISP AS ICE OR BRONZE HEAD

76 days. Particularly valuable for home and market gardens; forms heads under rather adverse weather conditions. Plant medium small; deep green overlaid with dark brown; forms firm well blanching head of delicate buttery flavor and tender quality. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 45 cts., 1 lb. \$1.50.

### HANSON HEAD

82 days. One of the most popular home and market garden sorts; very hardy; widely used in all parts of America. Plant very large with broad, thick, frilled, light yellowish-green leaves, forms quite large, globular, very hard cabbage-like head which is white at the heart, crisp, sweet, and tender. It is best known under the name "Nonpareil" in Canada. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

Sow lettuce often and a little at a time for a continuous supply.

### CHICKEN LETTUCE

All kinds of poultry eat it greedily. This lettuce will yield more feed for your poultry or rabbits than any plant you may use for greens. Grows from  $3\frac{1}{2}$  to 4 feet high. Ready to cut in about 45 days. After cutting it starts to grow again. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

## Cos or Romaine Lettuce

All cos varieties should be planted for late summer or early fall use, when they form firm nicely folded heads.

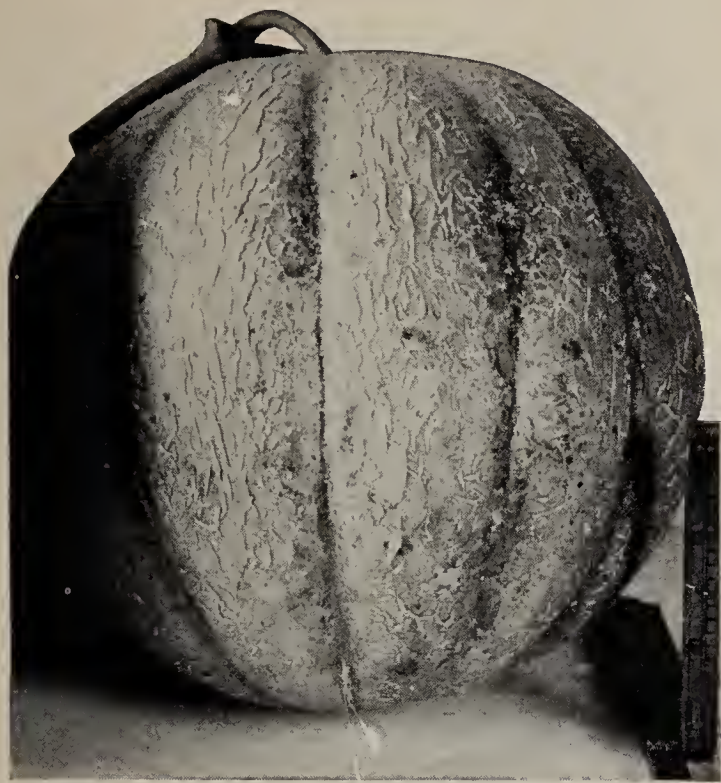
### WHITE PARIS SELF FOLDING . W. S.

77 days. Most popular variety for the home and market garden; likewise the best for forcing. Plants medium large and upright; medium light green with firm, spoon formed straight edged outer leaves and upright, loaf-shaped, well folded firm head 12 to 16 inches tall which is whitish-green inside and heavy, white brittle mid-ribs; hard and crisp in texture but very sweet and considered by some the standard of excellence in lettuce. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 40 cts., 1 lb. \$1.25.

One ounce of lettuce seed will produce 1,500 plants.



# Delicious Melons and Cantaloupes



Bender's Surprise Muskmelon

## Orange Fleshed Muskmelons

The most suitable soil for melons is a rich warm sandy loam. Sow the seed after the soil has warmed up and the weather is quite settled—about the middle of May in the vicinity of Philadelphia. Place 6 to 8 seeds in a circle in slightly raised hills spaced 4 to 6 feet apart, and cover the seed with one inch of fine soil.

### HALE'S BEST

70 to 80 days. Nearly round fruits 6 to 6½ inches long, densely covered with medium heavy netting and almost devoid of ribbing. Flesh is very thick and fine grained, deep salmon-pink in color, and richly flavored. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

### HONEY ROCK (OR SUGAR ROCK)

90 days. Popular new early variety. Fruits 5 to 6 inches in diameter, round to slightly flattened; shallow ribbed and more or less netted. Rind hard and brittle; flesh medium thick; color deep salmon; juicy; sweet musky flavor. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

### LAKE CHAMPLAIN

#### Combines Earliness, Quality and Productiveness

68 days. This is the earliest Muskmelon of good quality. The flesh is deep, very sweet and melting, of golden yellow color. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

### EXTRA EARLY OSAGE

95 days. Standard variety of splendid quality for nearby markets and home gardens. Fruits 6 to 7 inches long; almost round; with shallow furrows and sparse shallow netting. Flesh very thick; salmon-orange; fine grained, sweet and aromatic. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

### IRONDEQUOIT OR TIP TOP

90 days. A fine yellow fleshed melon. Vines are hardy and very productive. Melons are large, excellently shaped, distinctively ribbed and netted. The flesh is solid, very thick, with small seed cavity. Rich salmon yellow, sweet and of a most delicious flavor. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

### BENDER'S SURPRISE MUSKMELON

85 days. The netting is so heavy and the flesh is so firm and thick that the melons remain firm much longer than any other large melons of this class. For roadside sales, market and shipping this is most important. The Bender melons are medium early and in a favorable season if planted in the open ground in the middle of May they will ripen the last of August. The flesh is very thick, deep orange in color, of fine flavor and deliciously sweet. The melons are of oval shape, light green with coarse netting. When ripe, they turn a golden tint which shows through the netting, giving the fruit a very attractive appearance. The melons average quite large, many weighing over 10 pounds. Lithographed picture on front cover. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.50.

### EMERALD GEM

85 days. The standard very early variety for home garden and nearby market. Fruits flattened globe shape, 5 to 5½ inches long, ribbed; smooth with practically no netting; not suitable for shipping. Flesh very thick; deep salmon-orange; sweet, juicy and aromatic. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

### IMPERIAL MUSKMELON

All American selection 1935. A developed cross from Honey Ball and Hale's Best. Its advantages, as indicated by the trials, are that it can be thoroughly ripened and still shipped long distances. It has orange flesh, a netted yellow fruit, excellent flavor and texture. Best cropper in a hot, dry season. 25 cts. pkts. only.

### NETTED GEM OR ROCKY FORD

92 days. Fruits small; oval; about 5 inches long, 4½ inches in diameter; entirely covered with uniform netting. Flesh thick; green; sweet, juicy. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.10.

## Watermelon

The requirements for raising watermelons are practically the same as for muskmelons except that the vines are more spreading and require considerably more room. If the hills are liberally manured and cultivation is careful and thorough, any home gardener can have these delicious fruits fresh from his own patch.

### KLECKLEY'S SWEETS OR MONTE CRISTO

85 days. Melons are large size, long, dark green with very solid, red flesh; white seeds. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

### HARRIS' EARLIEST

75 to 80 days. Fruits medium size; broad oval; dark green stripes, of good quality; seeds blackish. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

### TOM WATSON

90 days. Long smooth melon; rich green skin; thin rind; flesh distinctly crisp and juicy. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

### COLE'S EARLY

75 days. Fruit is good size slightly oblong and marbled with light and dark green. The flesh is bright red. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

### FORDHOOK EARLY

75 days. Slightly oval, dark green mottled with darker stripes. The flesh is bright red and of fine quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

### CITRON (RED SEEDED)

95 days. Fruits globe-shaped; 7 inches in diameter; medium green; smooth, very hard; flesh white. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.



# Choice Onion Seed and Sets

## Onions

Onions are very hardy, and the seeds will germinate in cool weather. They can be safely planted just as soon as the soil can be prepared. Shallow planting is advisable,  $\frac{1}{4}$  to  $\frac{1}{2}$  inch being about right. When 2 or 3 inches tall, the young plants can be thinned to prevent crowding. They may be thinned again when 6 or 8 inches tall, and the plants removed can be used as green onions. After that, they can be pulled as needed, and those that are left to become fully ripe can be stored for winter.

### YELLOW GLOBE DANVERS

Very popular and somewhat earlier than Ohio and Southport Yellow Globes. Bulbs medium large, globe-shaped, pure yellow; flesh white with faint tinge of yellow, firm and hard. Pkts. 5 and 10 cts., 1 oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.10, 1 lb. \$3.75.

### MOUNTAIN DANVERS

A very early maturing strain of Yellow Globe Onion, originating in the mountains of Colorado. Deep yellow color and very firm. They ripen two to three weeks earlier than Yellow Globe Danvers. These onions have remarkable keeping qualities and can be safely stored all winter and are valuable on this account where seasons are short. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.50.

### EBENEZER OR JAPANESE

Produces excellent sets of extraordinary keeping quality which planted in the spring produce early mature onions for market. Bulbs medium size; deep-flat in shape; pure deep yellow; very firm and hard. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., 1 lb. \$3.00.

### SWEET SPANISH (RIVERSIDE STRAIN)

The best of the very large mild varieties, and while one of the original Spanish types, is a better keeper, having been selected for keeping qualities. It is deep amber-orange in color, with a small neck, and is globular. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. 90 cts., 1 lb. \$3.25.

### WHITE PORTUGAL (AMERICAN SILVERSKIN)

Most widely used white onion for sets, pickling onions, mature bulbs and for bunching onions from seed. Bulbs of medium size; flat but fairly deep; pure white; flesh fine grained, firm and hard. A splendid keeper. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.50.

### PRIZETAKER

One of the largest of the late or main crop sorts. Its globular shape, yellowish-brown skin, white tender flesh, and mild flavor have won it great popularity. It is very productive and keeps well into the winter. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., 1 lb. \$3.00.

### SOUTHPORT RED GLOBE

The globes are medium to large in size and medium early. A smooth deep purplish-red skin covers the paler flesh which is mild, fine grained, and tender. Pkts. 5 and 10 cts., 1 oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.10, 1 lb. \$3.75.

### RED WETHERSFIELD ONION

Standard late variety for splendid keeping quality; excellent for sets and for mature bulbs. Bulbs large; flat but rather deep; skin deep purplish-red; flesh white with faint pink flush; flavor strong. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. 85 cts., 1 lb. \$3.25.

### MICHIGAN YELLOW GLOBE

Very widely used variety of splendid keeping quality. Bulbs oblong globe shape at upper half and a trifle flattened at the base; skin pure deep yellow; flesh firm and hard. Ohio Yellow Globe is the same. Pkts. 5 and 10 cts., 1 oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.10, 1 lb. \$3.75.



Yellow Globe Danvers Onion

### SOUTHPORT WHITE GLOBE ONION

Standard late variety of highest quality. Bulbs medium large; globular; firm; skin clear white; flesh clear white and fairly mild; keeps well but not as long as the standard colored globes. Pkts. 5 and 10 cts., 1 oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25, 1 lb. \$4.00.

### SOUTHPORT YELLOW GLOBE

Standard late variety of splendid keeping quality. Bulbs large; globular; skin deep orange-yellow; flesh fine grained; fairly strong. Pkts. 5 and 10 cts., 1 oz. 35 cts.,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.75.

### ONION SETS

One quart of sets will plant 100 feet of row.

#### YELLOW DANVERS SETS

Our Onion Sets will produce Onions much earlier than by sowing the seeds, which frequently permits the planter to sow another crop on the land the same year. For green or bunch Onions, Sets will produce a crop in half the time it takes to raise them from seed. Plant Onion Sets near the surface in drills 1 foot apart and 2 inches in the rows. They require the highest culture to obtain the best results.

#### EBENEZER OR JAPANESE SETS

By the use of these Sets large ripe Onions of the finest quality can be easily raised. Sets of this variety rarely produce seed stalks as other kinds do.

#### WHITE SETS (SILVERSKIN)

These make nice-looking and fine-flavored Onions to eat while young. They also produce good large mature Onions of fine quality.

Market prices on application. If wanted by mail, add 10 cts. per pound for postage, each additional pound 1 ct.

## Garlic BULBS

As an appetizing dash of flavoring for soups and stews, many people use small quantities of this pear-shaped white bulb. In large amounts it has a strong odor and flavor. To grow garlic in the garden, the several sections or "cloves" of each bulb should be separated and set in rows 10 or 12 inches apart and 4 inches apart in the row. They should be taken up in the fall and stored in a cool, dry place until used. 1 oz. 10 cts., 1 lb. 40 cts.



# Sweet and Hot Peppers

## Peppers

Pepper seed should be sown in February or March in a warm hotbed or in a box placed in a sunny window of a warm room. The seeds require plenty of heat and moisture to germinate. Transplant the young seedlings as soon as they can be handled. 6 to 8 weeks are required to raise plants large enough for setting outdoors. One ounce of seed produces about 1500 strong plants.

### CALIFORNIA WONDER

(Sweet.) 72 days. Thickness of flesh alone, which is often  $\frac{3}{8}$  of an inch, places this sweet pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide. They are unusually good for serving whole. Pkts. 5 and 10 cts., 1 oz. 55 cts.,  $\frac{1}{4}$  lb. \$1.70, 1 lb. \$5.50.

### HARRIS' EARLY GIANT

(Sweet.) 63 days. The best very early sweet pepper for home and market gardens, particularly in the North. Plants vigorous, erect, extremely prolific. Fruits large,  $4\frac{1}{2}$  inches long,  $3\frac{1}{2}$  inches through, very slightly tapered; deep green becoming brilliant red; sweet throughout. Pkts. 5 and 10 cts., 1 oz. 55 cts.,  $\frac{1}{4}$  lb. \$1.70, 1 lb. \$5.50.

### SUNNYBROOK

(Sweet.) 73 days. A tomato-shaped red pepper of much merit. Fruit smooth, upright, 3 inches in diameter by  $2\frac{1}{2}$  inches in depth with thick flesh; moderately early. Pkts. 5 and 10 cts., 1 oz. 50 cts.,  $\frac{1}{4}$  lb. \$1.40, 1 lb. \$4.50.

### PIMIENTO

(Sweet.) 72 days. Standard variety for home and market garden, grown on large scale for canning whole. Plants large, upright, heavily productive. Fruits very smooth, regular heart-shaped, commonly about 3 inches long (easily cored for canning); deep green, becoming deep red; flesh very thick, sweet and of splendid flavor. Pkts. 5 and 10 cts., 1 oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.00.

### LARGE SWEET SPANISH

80 days. Popular for home and market garden. Plants large, upright, heavily productive. Fruits 6 to 7 inches long,  $2\frac{1}{4}$  inches through; very slightly tapered; dark green becoming rich red; sweet throughout. Pkts. 5 and 10 cts., 1 oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25, 1 lb. \$4.00.

### RUBY KING PEPPER

(Sweet.) 68 days. Standard for home, market garden and shipping. Plants vigorous, upright, prolific. Fruits large,  $4\frac{1}{2}$  to 5 inches long,  $2\frac{1}{2}$  inches through, slightly tapered; deep green becoming bright deep red; flesh thick, sweet and mild. One of the most popular varieties grown. Pkts. 5 and 10 cts., 1 oz. 30 cts.,  $\frac{1}{4}$  lb. 90 cts., 1 lb. \$3.00.

### GIANT CRIMSON

(Sweet.) 85 days. Popular home and market sort. Plants large, thrifty and fairly productive. Fruits very large; commonly 5 to 6 inches long and 4 inches through; slightly tapered; deep green, becoming deep crimson; mild and sweet throughout. Pkts. 5 and 10 cts., 1 oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.35, 1 lb. \$4.25.

### BULL NOSE

Angular-shaped fruits 3 inches long and 2 inches thick. Occasionally a plant will produce hot peppers but usually they are sweet. Early; fine for pickling. Pkts. 5 and 10 cts., 1 oz. 35 cts., 4 ozs. \$1.00,  $\frac{1}{2}$  lb. \$1.65, 1 lb. \$3.00.

### LONG RED CAYENNE

(Hot.) 70 days. A leading sort for use in pickles, for canning and for drying. Plants large, very prolific. Fruits 5 inches long,  $\frac{1}{2}$  inch through, tapered; deep green, becoming bright red; very pungent. Pkts. 5 and 10 cts., 1 oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.40, 1 lb. \$4.50.

## Parsnip

Sow in rows 2 to  $2\frac{1}{2}$  feet apart and when well up, thin to about 5 inches apart in the row. Keep the ground moist if possible. Parsnips are improved by freezing, and a portion of the crop can be left in the ground all winter to be used as a spring vegetable when the ground has thawed.

### HOLLOW CROWN . THICK SHOULDER

Roots 12 to 15 inches long, 3 inches thick at shoulder; tapered; smooth and straight and of fine quality. We have a fine strain of this popular variety. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 25 cts., 1 lb. 70 cts.

### SHORT THICK

Tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of  $2\frac{1}{2}$  to  $3\frac{1}{2}$  inches and a length of only 6 or 8 inches at the thickened part. The roots are full crowned and rounded on top with a small neck. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 35 cts., 1 lb. \$1.00.

$\frac{1}{8}$  ounce for 100 foot row.



Harris' Early Giant



Short Thick Parsnips



# Garden Peas of Special Merit

## SELECTED FOR OUR CRITICAL TRADE

Our list embraces the newest and highest types in Pea culture.

Peas are different from all other vegetables—the seeds are large and only one stem grows from each seed. They do not tiller; the plant is not bushy. They must be planted close together—12 to 16 seeds to the foot.

While a 10-cent packet of lettuce or radishes might suffice for the family garden and yield sufficient portions for numerous meals, a like amount of Peas will not. It requires 1 pound to plant 40 feet of row. Peas from a profitable crop to grow. Plant all you have room for.

All varieties growing more than 1½ feet high do better if staked up or otherwise supported when 4 to 6 inches tall. This support is usually given by sharpened branches of trees set between the double rows. The crop should be gathered as fast as it is fit for use. Even though just a few pods begin to ripen, new pods will cease to form, and those partly advanced will stop growing.

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST POUND, ONE CT. FOR EACH ADDITIONAL POUND.

### First Early and Early Peas LAXTON'S PROGRESS . EXTRA EARLY

60 days. Splendid variety for home, market garden and shipping. Vines dwarf; 20 inches tall; dark green; prolific. Pods handsome, dark green; very large for dwarf variety; fully 4 inches long, ¾ inch wide, plump; tapered at end. Seeds large, wrinkled; cream; interior yellow. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### BLUE BANTAM (HUNDREDFOLD)

62 days. Prolific, large podded, dwarf variety for home, market garden and shipping. Vines 18 inches tall, dark green. Pods borne singly; dark green; 4 to 4½ inches long, ¾ inch wide, plump; tapered at tip. Seeds large, wrinkled, cream; interior yellow. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### THOMAS LAXTON

63 days. A popular market pea. Unsurpassed for the home garden as an early large podded pea of high quality. Vines 3 to 3½ feet tall, dark green. Pods dark green; 3½ inches long, ⅝ inch wide, plump; blunt. Seeds large; wrinkled, cream and green; interior yellow. As a money-maker this pea surpasses all others. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.



Laxton's Progress (Extra Early Pea)

### PEAS

Are not injured by light frosts and may be planted as early in spring as the condition of the soil will permit.

### LITTLE MARVEL PEA

62 to 64 days. Unsurpassed in quality and productiveness; particularly valuable for the home garden. Vines 18 to 20 inches tall; dark green; very thrifty, very prolific. Pods dark green; 3 inches long, ½ inch wide; very plump; straight; blunt ended. Seeds medium sized, squarish, distinctly wrinkled, green; interior green. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### GRADUS

65 days. Splendid early large podded sort for home and market garden. Vines medium green; 3 to 3½ feet tall. Pods borne singly; attractive medium green; 4 inches long; ⅞ inch wide, plump, well filled; tapered at end. Seeds large, wrinkled; cream and green; interior yellow. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### LAXTONIAN

62 days. Similar to Hundredfold in type and usefulness. Vines 16 to 19 inches tall; medium dark green. Pods borne singly; slightly curved; 4 to 4¼ inches long; ¾ inch wide, plump; tapered at tip. Seeds large, wrinkled; green and cream. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### PREMIUM GEM

62 days. Vines 18 inches tall, medium green. Pods medium green; 2¾ inches long, ½ inch thick; plump, straight; blunt ended. Seeds medium sized; green; wrinkled; interior green. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### AMERICAN WONDER OR NOTT'S EXCELSIOR

61 days. Very important early dwarf variety for the home garden, 59 days. Vines 12 to 14 inches high; dark green; very productive. Pods medium green; 3 inches long, ½ inch wide; plump, straight, blunt ended; seeds medium small, squarish, wrinkled, green, interior green. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### EXTRA EARLY ALASKA SMOOTH PEA

60 days. Vines 33 inches tall; slender; crop matures uniformly. Pods borne singly; light green; 2½ inches long, ½ inch wide; very plump; blunt. Seeds small; round; medium green with bluish cast; interior green. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

Special Prices to Market Gardeners

### Later Peas NEW MARKET

70 days. One of the finest early midseason Garden peas for market purposes and home garden. Vines are robust, grow from 24 to 30 inches tall, are quite bushy and stool freely. Leaves are medium large and dark green. Pods straight, pointed, smooth, dark green in color and well filled with 8 to 11 peas per pod. Pods being 5 to 5½ inches long and ¾ inch broad. Unusually productive. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.



# Sweet and Tender Garden Peas

## LATER PEAS (Continued)

### DWARF TELEPHONE OR DAISY

70 to 75 days. Very satisfactory for home, market garden and shipping. Vines 24 inches tall, thrifty; deep green. Pods deep green; 4¼ inches long, ¾ inch wide; plump, tapered at end. Seeds large, wrinkled, green. This is a splendid, uniform stock recently developed. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### TELEPHONE

73 days. One of the best home and market garden sorts; sometimes used for canning. Vines 4 to 4½ feet tall, medium green. Pods borne singly; rich medium green; 4¼ inches long, ¾ inch wide; plump, straight, tapered at end. Dry seeds large, pear-shaped, wrinkled, green, interior green. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

Write for Dealer's or Quantity Prices.

### MAMMOTH MELTING SUGAR (EDIBLE POD)

72 days. The best flat podded edible pod variety for home and market garden. Vines 4½ feet tall; light green. Pods 4¼ inches long; 7/8 inch wide; flat, straight, tapered at end; fleshy, stringless, brittle; free of parchment; of splendid quality used in the manner of snap beans. Seeds medium large; round; smooth; creamy white; interior yellow. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 25 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### CHAMPION OF ENGLAND

79 days. Excellent for home and market garden. Vines 4½ to 5 feet tall; dark green; branched. Pods light green, often in pairs; 3 inches long, 5/8 inch wide; very plump; straight; blunt. Seeds medium size; finely wrinkled; green; interior green. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### ALDERMAN

75 days. Splendid dark podded variety of the Telephone group for home, market garden and shipping. Vines 4½ to 5 feet tall, dark green. Pods dark green; 4½ to 5½ inches long, 7/8 inch wide, plump, straight, tapered at tip. Seeds large, wrinkled, pear-shaped, green; interior green. ¼ lb. 10 cts., ½ lb. 25 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

### BLISS EVERBEARING

72 days. Popular for the home garden. Vines 30 inches tall; dark green; thrifty; of long bearing period. Pods medium green; borne in pairs; 3 inches long; 5/8 inch wide; plump; straight, blunt. Green peas large, sweet; of marrowy texture and flavor. Dry seeds large; green; flattish, coarsely wrinkled; interior pale green. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.20, 10 lbs. \$2.20.

## Mushroom Spawn

### SPORE CULTURE

(In bricks of about 1½ pounds)

Mushroom is propagated by means of microscopic "spores" which correspond to the seeds of flowering plants. The spore culture we offer is from a selected strain which insures uniformity and is prepared in the form of bricks. We use stock of the white variety which is generally preferred. Each brick is sufficient to spawn 8 to 10 square feet of bed. Per brick 35 cts., per 5 \$1.40.

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST POUND, ONE CT. FOR EACH ADDITIONAL POUND.

## Parsley

Parsley seed is even slower than parsnip in germinating. It grows best in rich mellow soil and should be sown as early as possible in spring in rows 1 to 2 feet apart with a covering of not more than ½ inch of soil firmly pressed down. When the plants are well up, thin them 8 to 12 inches apart in the row.

### EXTRA TRIPLE CURLED (MOSS CURLED)

Plant very compact, leaves very dark green and so finely cut and loosely curled as to resemble tufts of moss. Aside from its value for flavoring and garnishing the plant is decorative. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 30 cts., 1 lb. 75 cts.



Blue Bantam Peas

### HAMBURG . THICK ROOTED PARSLEY

Plain leaved variety which forms a large, thick, edible root. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 30 cts., 1 lb. 75 cts.

### PLAIN OR SINGLE

The standard variety of plain leaved parsley. Leaves dark green, deeply cut but not curled. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 30 cts., 1 lb. 75 cts.

## Pumpkin

### LARGE YELLOW OR CONNECTICUT FIELD

The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 inches long, 12 inches in diameter and weight 20 pounds, sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. Pkt. 5 cts., 1 oz. 10 cts., ¼ lb. 25 cts., 1 lb. 70 cts.

### SUGAR OR NEW ENGLAND PIE

The earliest and best for pies; much grown in home and market gardens and for shipping. Fruits commonly 6 inches long and 8 to 9 inches in diameter; flattened; furrowed; skin smooth, rich reddish-orange; rind hard; flesh thick, orange-yellow, of unexcelled quality. Pkt. 5 cts., 1 oz. 10 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

### WINTER LUXURY

This variety is very popular for the home garden. The fruit matures in 75 to 80 days, weighs 8½ pounds, and is nearly round. The skin is light yellow with a russet tinge and finely netted; the flesh is rich creamy-yellow, very thick, sweet, and finely flavored. Pkt. 5 cts., 1 oz. 10 cts., ¼ lb. 25 cts., 1 lb. 75 cts.



# Spring and Fall Radishes

## Radishes

**One ounce will sow 100 feet of drill**

The ground for growing radishes should be finely prepared and as free as possible of small stones and lumps. Plant seed about 1/2 inch deep in rows 12 to 18 inches apart, and when up about an inch thin to 1 or 2 inches apart. Radishes are at their best when growth is quick and steady. A moderate temperature and constant moisture are favorable for best results. Most varieties become pithy soon after reaching full size. In order to keep a continuous supply, successive plantings should be made.

### EARLY SCARLET GLOBE RADISH

23 days. Our strain of this standard very early sort is superior and is equally valuable for out of door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe (so-called "broad-olive" shape); 1 1/4 inch long when ideal for use; with slender, well defined tap root; uniform rich bright scarlet; flesh white, crisp and of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

### SPARKLER (SCARLET TURNIP WHITE TIP)

25 days. Popular home and market garden sort. Tops small. Roots deep turnip, almost globe shape; bright scarlet with pronounced white tip; crisp and of splendid quality until fairly large. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

### CRIMSON GIANT

29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip-rooted radishes; commonly attain diameter of 1 1/2 inches before becoming pithy; of unexcelled quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

### FRENCH BREAKFAST

25 days. Standard home and market garden sort; also suitable for forcing. Tops small. Roots oblong, blunt, with slender well defined tap root; about 1 1/2 inches long and 5/8 inch through; rich scarlet with white bottom; flesh white, crisp and of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.



Early Scarlet Globe Radish

### LARGE SCARLET . SHORT TOP RADISH

27 days. Standard home and market garden sort. Roots long, tapered; become 4 to 5 inches long and 3/4 inch thick at shoulder; bright carmine red. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

### LONG WHITE ICICLE RADISH

27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small. Roots long, tapered; very white throughout; brittle as ice; of splendid quality until 5 to 6 inches long and 1/2 inch thick or larger; mild and of splendid flavor. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

## Winter Radish

Seed of winter radish is sown during the latter part of July or in August. We have indicated the number of days required to produce roots suitable for table use. However, the roots continue to enlarge and are in splendid condition for storage at the onset of freezing weather.

### CHINESE ROSE WINTER (SCARLET CHINA)

50 days. Roots become 6 to 7 inches long, 1 3/4 to 2 inches in diameter at shoulder and slightly broadened outward to 2 to 2 1/2 inches in diameter at the blunt base; skin smooth, uniform bright deep scarlet; flesh white, firm, crisp and pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

### CHINESE WHITE WINTER (CELESTIAL)

55 days. Roots about 8 inches long, 3 inches in diameter at mid-section; with square shoulder and blunt bottom; white, smooth; flesh white, firm, crisp, mildly pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

### LONG BLACK SPANISH

55 days. Splendid keeper. Roots 8 to 9 inches long, 2 to 2 1/4 inches in diameter at shoulder and only slightly tapered; skin somewhat roughened; black; flesh white, very firm and crisp, pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

### ROUND BLACK SPANISH

55 days. Splendid keeper. Roots globular with slender well defined tap root; 3 1/2 to 4 inches in diameter; skin somewhat roughened, black; flesh white, firm, crisp and pungent. Pkts. 5 and 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

**Dealers Ask for Quantity Prices.**

## TOBACCO DUST

**Save your Radishes and Turnips from worms**

Strew it generously in the row before sowing. It acts as a repellent for many insects infesting the soil. Deserves much more general use. Dusted over Cucumbers, Melons and Squashes it helps greatly to rid these vines of the destructive bugs. Apply in the morning when the plants are covered with dew. 1 lb. 10 cts., (prepaid 20 cts.), 5 lbs. 35 cts., (prepaid 50 cts.), 10 lbs. 60 cts., 25 lbs. \$1.00, 100 lbs. \$3.25. Postage extra.

## Salsify

**(VEGETABLE OYSTER)**

The roots of this vegetable are appetizing and nutritious, and the flavor is like that of oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will cause the roots to become irregular and branched. Sow early and quite deep, giving the general culture recommended for parsnip.

### MAMMOTH SANDWICH ISLAND

Large and strong growing with long, smooth, white, tapering roots less likely to branch than those of other sorts. Pkts. 5 and 10 cts., 1 oz. 20 cts., 1/4 lb. 55 cts., 1 lb. \$1.85.



# Best Summer and Winter Squash



Yellow Summer Crookneck Squash

## Squash · Summer Varieties

### EARLY WHITE BUSH SCALLOP

Standard summer scallop squash for home and market garden. Fruits uniform round, attain 9 inch diameter, flattened with scalloped margins; smooth; white. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.00.

### EARLY BUSH SCALLOP · GREEN TYPE

A valuable Bush selection rapidly gaining popularity on the West Coast. Fruits of convenient size for shipping; color greenish-white when young; creamy yellow when fully matured. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.00.

### GIANT SUMMER STRAIGHTNECK

Particularly valuable for shipping because the straight fruits are more readily packed than the crookneck type with less waste of shipping space. Fruits handsome; deep orange with moderate shallow warting; straight, become 16 to 20 inches long and 4 inches through but are usable much smaller. It is altogether more desirable than the Crookneck for either home garden or market garden. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

### YELLOW SUMMER CROOKNECK

Very prolific. Fruits become 12 to 14 inches long and 3½ inches through; neck curved; skin bright orange-yellow, moderately warted. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

### ITALIAN MARROW · COCOZELLE

Sometimes called summer asparagus because the young fruits when stewed are of a delicious flavor suggesting asparagus. Fruits straight, almost cylindrical; become 18 to 24 inches long and 5 inches in diameter; smooth, dark green with lighter green to yellow stripes; flesh pale greenish white. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

## Autumn and Winter Varieties

### WARTED HUBBARD

The standard winter squash for home, market garden and shipping. Fruits medium large; commonly 9 to 10 inches through; globular, dark bronze green, moderately warted; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 45 cts., 1 lb. \$1.50.

### DELICIOUS SQUASH

The standard of excellence in winter squashes. Fruits broad top-shaped, commonly 7 to 8 inches long; skin very dark green, fairly smooth; rind thin but hard; flesh extremely thick, bright yellow, fine grained and dry, without fibre and of the highest quality. A squash of exceptional merit for table use. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

### ACORN · TABLE QUEEN OR DES MOINES SQUASH

Weighs about 1½ pounds and is acorn-shaped, deeply furrowed, and darkgreen on the outside. The flesh is rich yellow, dry and mealy, and of delicious flavor. The vines yield prolifically, and the fruit matures early. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 45 cts., 1 lb. \$1.50.

### BOSTON MARROW

An abundance of large fruit, weighing 12 to 17 pounds, matures late, 120 days. They are irregularly oval with a moderately hard, rich orange skin. The fine grained, salmon-yellow flesh is fine flavored and keeps well. It is extensively used in home gardens and is a good substitute for pie pumpkin. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 30 cts., 1 lb. 90 cts.

### GOLDEN HUBBARD

Earlier and smaller than Hubbard; splendid for home and market garden and commonly used for canning. Fruits globular with fairly prominent neck and blossom end; about 11 inches long and 8 inches through; deep orange red with shallow warting; rind hard and tough; flesh thick, deep orange-yellow; fine grained and dry. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.25.

## Swiss Chard or Spanish Beet

Only the tops of this beet are used, like spinach, and the succulent stalks and midribs may be prepared in the same way as asparagus. The plants are cultivated like beets except that they should be thinned to 8 or 10 inches apart. If only the outer leaves are gathered, the inner leaves will continue to grow, and repeated pickings can be made.

### LUCULLUS

In season with Large Ribbed White. Popular home and market garden sort. Plants become 24 inches tall. Leaf blade large and broad, rich yellowish-green; much blistered or crumpled; borne on thick pale green leaf-stem. This variety makes very choice greens. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 30 cts., 1 lb. 85 cts.

### LARGE SILVER

Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It can be sown at different seasons of the year, giving successive greens. Pkts. 5 and 10 cts., 1 oz. 15 cts., ¼ lb. 30 cts., 1 lb. 85 cts.



Warty Hubbard Squash



# Famous High Quality Tomatoes

Tomato seed is usually planted indoors about May 1st, use shallow boxes or "flats" and plant in rows about 2 inches apart. As soon as the seedlings are about an inch tall, they are "pricked out" into a larger box and spaced about 4 inches apart. Rich loose soil should be used. When the weather has moderated, the plants should gradually be hardened off to the temperature outside. This can be done in a warm sheltered spot where they can be protected at night and in case of frost. About 6 weeks after seed is sown, the plants are ready for their permanent location.



New Penn State Tomato

## THE NEW PENN STATE TOMATO

Originated by Pennsylvania State College. Extremely early; foliage is rather coarse, medium dark green. Fruits are perfectly and evenly colored a rich scarlet growing in heavy clusters, usually free from blemishes, almost spherical in shape, with very little core which is shallow. Yields heavily and has few seeds. Pkt. (approximately 50 seeds) 25 cts. Crown and sealed by Pennsylvania State College.

### MARGLOBE

79 days. Definite disease resistance recommends this variety for use in sections infested with Fusarium Wilt and Nail-head Rust. Plants thrifty and heavily productive, of long bearing period. Fruits uniform deep scarlet; large; uniformly globe-shaped; smooth, solid and of distinct quality. Pkts. 5 and 10 cts., 1 oz. 50 cts., 1/4 lb. \$1.25, 1 lb. \$4.50.

### BONNY BEST

73 days. Unexcelled as a general purpose tomato; particularly valuable for forcing under glass and as a canning variety in Northern sections. Fruits handsome; evenly colored bright deep scarlet-red; medium large; flattened globe shape; smooth and firm. Yields well until frost. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.00, 1 lb. \$3.25.

### EARLIANA

66 days. Particularly valuable for home garden and early market. Our strain is definitely superior in earliness and quality. Fruits medium size; flattened globe-shaped; deep scarlet-red; firm and smooth. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.15, 1 lb. \$3.50.



Marglobe

## PRITCHARD'S SCARLET TOPPER TOMATO

73 days. It is wilt resistant and of intermediate height, Scarlet Topper is the first to combine these two characteristics. It is a mid-season or main crop variety producing heavy crops of deep scarlet globe-shaped fruit of good size and unusual solidity and with abundant foliage to protect the fruit from hot sun. Pkt. 15 cts., 1/2 oz. 30 cts., 1 oz. 45 cts., 1/4 lb. \$1.40, 1/2 lb. \$2.60.

### JOHN BAER

70 days. Particularly valuable for canning in Northern sections. Very similar in every respect to Bonny Best; but often a few days earlier. Fruits handsome bright deep scarlet-red; medium large; flattened globe shape; smooth and firm. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.00, 1 lb. \$3.25.

### OX HEART

90 days. A late large fruited variety of distinct appearance and perfect quality. Heart-shaped, rosy pink, and very solid fleshed, with few seeds. Single fruits often weigh two pounds or more. Mildly acid and of pleasing flavor. Home gardeners have given this new variety an enthusiastic reception. 85 to 90 days. Pkts. 5 and 10 cts., 1 oz. 70 cts., 2 ozs. \$1.25, 1/4 lb. \$2.25.

### STONE

85 days. Particularly valuable for the market gardener, trucker and canner. Heavily productive. Fruits uniform bright deep scarlet; large and flat, but deep; smooth and solid. Pkts. 5 and 10 cts., 1 oz. 35 cts., 1/4 lb. \$1.00, 1 lb. \$3.25.

### DWARF STONE

81 days. Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits bright red, flattened globe-shape, a trifle over medium size. Pkts. 5 and 10 cts., 1 oz. 50 cts., 1/4 lb. \$1.35, 1 lb. \$4.00.

### PONDEROSA

(Also known as Beefsteak)

85 days. One of the best for home use. Fruits deep purplish-pink; extremely large, commonly 9 to 12 ounces each; deep but flat; very fleshy with few seeds; of very mild flavor. Pkts. 5 and 10 cts., 1 oz. 60 cts., 1/4 lb. \$1.75, 1 lb. \$5.75.

### CHALK'S EARLY JEWEL

75 days. Splendid home and market garden variety. Very thrifty, heavily productive. Fruits scarlet-red; large flattened globe-shaped; smooth and firm. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.00, 1 lb. \$3.50.

### GOLDEN QUEEN

84 days. The best large yellow fruited tomato. Fruits large; deep but flattened; bright golden yellow; firm, smooth and attractive. Pkts. 5 and 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.15.



# Selected Turnip, Rutabaga and Spinach

## Turnip

For summer use sow early in spring in rows  $\frac{1}{2}$  to 2 feet apart. Plant seed about  $\frac{1}{2}$  inch deep and press the soil down firmly and smoothly. When the seedlings appear, apply tobacco dust liberally to prevent injury by flea-beetles and root maggots. As soon as the plants are about an inch tall, thinning should be started and carried on as recommended for beets. For fall and winter use the seed may be planted as late as August.

### PURPLE TOP WHITE GLOBE

Table size, 55 days; full size 70 days. The standard home, market garden and shipping sort for table use and splendid for field culture. Tops medium large, compact. Roots globular, smooth; bright purplish-red above, white below, become 5 to 6 inches in diameter; flesh white, firm; fine grained and tender when young. Pkt. 5 cts., 1 oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., 1 lb. 65 cts.

### EARLY PURPLE TOP . STRAP LEAVED

Table size, 45 days. Very important home and market garden sort. Tops small, erect compact. Roots flat, become 5 inches in diameter and half as thick; purplish-red above and white below; flesh clear white, fine grained, mild. Pkt. 5 cts., 1 oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., 1 lb. 65 cts.

### AMBER GLOBE

Large roots, 75 to 80 days. Of good quality but chiefly grown for stock. Tops green, leaves cut. Roots large, become 5 to 6 inches in diameter; globular, smooth, yellow tinged with green at the top; flesh pale yellowish-white, fine grained, sweet and tender. Pkt. 5 cts., 1 oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., 1 lb. 65 cts.

### COW HORN OR LONG WHITE

Table size, 65 days; full size, 75 to 80. Chiefly grown for stock feed but very good for table use. Tops fairly large, erect, cut-leaved. Roots 12 to 15 inches long, 3 inches thick at shoulder, tapered, slightly crooked; smooth; white with pale green shoulder; mild, sweet and tender. Pkt. 5 cts., 1 oz. 10 cts.,  $\frac{1}{4}$  lb. 20 cts., 1 lb. 60 cts.

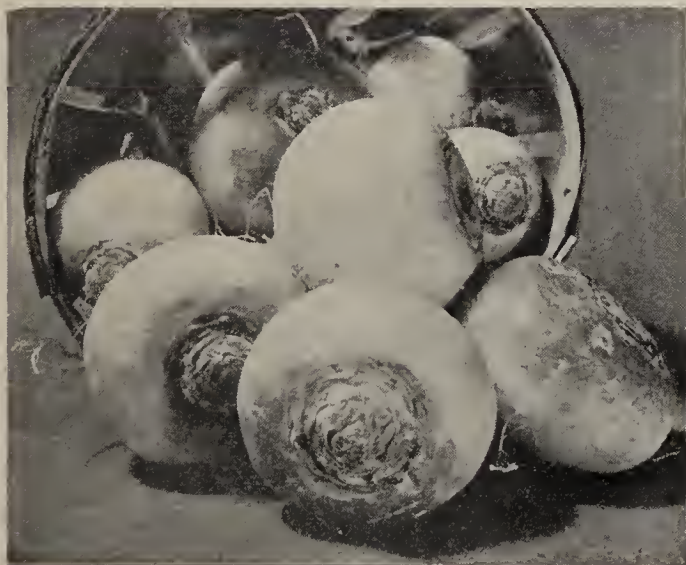
## Rutabaga

### IMPROVED PURPLE TOP YELLOW

Very popular variety for market and for storage and carlot shipment. The roots are large, globular, deep purplish-red above ground, yellow below; flesh yellow, fine grained; firm, mild and sweet. Pkt. 5 cts., 1 oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., 1 lb. 65 cts.

### SWEET PERFECTION WHITE

While very good for stock feeding, this white fleshed rutabaga is especially desirable for table use. It is of vigorous growth and yields better than yellow varieties. Absolutely neckless, small topped, and fine grained. Pkt. 5 cts., 1 oz. 10 cts.,  $\frac{1}{4}$  lb. 25 cts., 1 lb. 65 cts.



Purple Top White Globe Turnip



Long Standing Bloomsdale Spinach

## Spinach

### LONG STANDING BLOOMSDALE

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. Seed can be planted as soon as the ground can be prepared.

(Round Seeded.) 45 days. Superior variety of the Bloomsdale or Savoy Leaved group much in demand for home and market gardens because of the uniform handsome plants and remarkable long standing quality. Resembles Savoy Leaved or Bloomsdale, but is a trifle later, of more compact habit, a trifle darker green and remains free of flower stalks about two weeks longer. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

### SAVOY LEAVED OR BLOOMSDALE

(Round Seeded.) 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 inches and spread of 12 to 15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. A very good spinach for shipping. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

### GIANT THICK LEAVED (NOBEL)

The seed of this thick leaved variety produces the largest spinach under cultivation. They grow rapidly and remain in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent, and tender. It is an excellent home garden spinach. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

### KING OF DENMARK

(Round Seeded.) 48 days. Extremely long standing, smooth, dark green leaved sort for home and market garden as well as for canning. Plants large and spreading with large thick leaves that are only slightly crumpled. Spring sown crops are very often free of flower stalks until mid-summer. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

### VIRGINIA SAVOY (BLIGHT RESISTANT)

(Blight Resistant). Similar to Savoy Leaved or Bloomsdale but smoother in leaf and inclined to bolt to seed earlier. Used chiefly in sections where blight (mosaic) occurs. Not recommended for planting where other varieties can be successfully grown. Pkt. 5 cts., 1 oz. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.60.

### NEW ZEALAND (TEFRAGONIA)

Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. Soak the seed before sowing. Pkts. 5 and 10 cts., 1 oz. 15 cts.,  $\frac{1}{4}$  lb. 25 cts., 1 lb. 60 cts.



# Field Seed and Seed Grain



## PRICES ON FARM SEEDS SUBJECT TO MARKET CHANGES

All our tested farm seeds are sold under the provisions of the Pennsylvania Pure Seed Law.

**MEDIUM RED CLOVER (Pine Tree Brand).** Domestic Grown. The Red or June Clover is probably more generally grown than any other. This crop is the standard for American farmers. Lb. 40 cts., bu. (60 lbs.) \$18.00.

**MAMMOTH RED CLOVER (Pine Tree Brand).** Domestic Grown. Pea Vine or Sapling Clover. Genuine Mammoth. A large rank-growing clover, ripening at the same time as Timothy, producing an enormous yield. Lb. 45 cts., bu. (60 lbs.) \$18.50.

**ALSIKE CLOVER (Pine Tree Brand).** One of the hardiest varieties known. It is perennial and does not winter kill. Thrives on most soil. Lb. 50 cts., bu. (60 lbs.) \$19.00.

**CRIMSON CLOVER.** An annual of strong, erect growth. Market price.

**ALFALFA CLOVER (Pine Tree Brand).** Northwestern Grown. Produces 3 to 7 tons per acre. High in protein. It does not exhaust the soil but enriches it. Lb. 40 cts., bu. (60 lbs.) \$18.50.

**GRIMM ALFALFA CLOVER (The Genuine Certified).** Has a different root system, more hardy than other strains of Alfalfa and can be grown on shallower soil. Sealed and certified bags. Lb. 60 cts., bu. (60 lbs.) \$22.50.

**SWEET CLOVER, WHITE BLOSSOM. (Pine Tree Brand).** A leugme of immense size and rank growth. Has great value as a soil improver. Furnishes palatable hay and makes excellent pasture. Lb. 20 cts., bu. (60 lbs.) \$7.50.

**SWEET CLOVER-YELLOW BLOSSOM (Pine Tree Brand).** Does not grow so heavy and coarse as White Blossom and has a yellow blossom. Superior for pasture. Lb. 25 cts., bu. (60 lbs.) \$8.00.

**TIMOTHY. 99.60 Pure (Pine Tree Brand).** As a crop for hay Timothy is probably unsurpassed by any other grass. Lb. 40 cts., bu. (45 lbs.) \$11.75.

**SOY BEANS. (The Great Soil Improver).** Soy Beans can be grown in all parts of the country where dent corn succeeds and on a greater variety of soils than any other legumes. We carry Manchu and Black Wilson varieties. Ask for prices.

**SUDAN GRASS.** The most wonderful annual grass ever introduced. Per lb. 14 cts.

**WINTER VETCH.** For forage and fertilizing purposes. Lb. 25 cts., bu. (60 lbs.) \$8.75.

**PEAS, CANADIAN FIELD.** Usually sown with oats. Used both as a green feed and fertilizer. Bu. (60 lbs.) \$3.75, per 100 lbs. \$6.00.

**DWARF ESSEX RAPE.** A forage plant of great merit. Valuable feed for cattle, sheep and hogs. Lb. 10 cts., bu. (60 lbs.) \$4.00.

**GOLDEN MILLET.** Produces a very fine quality hay and makes a large seed head. Bu. (48 lbs.) \$4.00.

## Seed and Ensilage Corn

**QUENSHENAUQUE YELLOW DENT.** Early maturing. Good size, sure cropper. Grown and bred on the hills of Lycoming County. Bu. (56 lbs.) \$2.50.

**WHITE CAP YELLOW DENT.** Acclimated and grown in Lycoming County. Never fails to mature properly. Vigorous habit, large foliage, sure cropper. Bu. (56 lbs.) \$2.50.

**LONGFELLOW FLINT.** Extra early 8 rowed yellow flint. Pk. (14 lbs.) 90 cts., bu. (56 lbs.) \$3.00.

**WEST BRANCH SWEEPSTAKES.** Lycoming County grown. Stalks 1 1/2 to 2 inches in diameter and 12 to 15 feet high. Ears large averaging a foot long and 10 inches in circumference. Bu. (56 lbs.) \$2.50.

**LANCASTER SURE CROP.** Lycoming County Grown. This variety grows quite tall, is very leafy, develops ears early and ripens a little earlier than Sweepstakes. Bu. (56 lbs.) \$2.50.

**EUREKA ENSILAGE.** Virginia Grown. Grows 14 to 18 feet high on stalks 2 to 2 1/2 inches in diameter. Vast amount of foliage. Bu. (56 lbs.) \$3.00.

**BLUE RIDGE ENSILAGE.** Virginia Grown. Earlier than Eureka, not quite as large, ears 10 to 12 inches long, stalks 12 to 14 feet high. Bu. (56 lbs.) \$3.25.

**ALPHA BARLEY 2 Row.** Ripens with oats. Bu. (48 lbs.) \$2.00.

**BARLEY 6 Row.** Early variety. Sow 2 1/2 bu. per acre. Bu. (48 lbs.) \$1.50.

**WESTERN SEED OATS.** 38 to 40 lbs. to the bushel. Farmers who want a branching variety of a well-tried, reliable kind can safely sow Western Seed Oats regardless of the acreage they want to put out. Bu. (32 lbs.) 90 cts., 10 bu. lots 85 cts. per bu.

**PASTURE MIXTURE (Permanent).** Composed of such seed as a Kentucky Blue Grass, Red Top, White and Alsike Clover, Meadow Fescue, Orchard Grass and Rye Grass. Lb. 35 cts., 100 lbs. \$30.00.

**KENTUCKY BLUE GRASS.** Lb. 50 cts., 10 lbs. \$4.00.

**RED TOP.** Lb. 35 cts., 10 lbs. \$3.00.

**ORCHARD GRASS.** Lb. 30 cts., 10 lbs., \$2.50.

**ROUGH STALK MEADOW GRASS.** Lb. 50 cts., 10 lbs. \$4.50.

**ASTORIA CREEPING BENT.** Lb. \$1.25, 10 lbs. \$12.00.

**HARD FESCUE.** Lb. 30 cts., 10 lbs. \$2.50.

If wanted by parcel post, add postage 8 cts. for the first pound, and 1 cent for every additional pound, within the First and Second Zones. Bags included.



# Insect Destroyers, Etc.

Directions For Using Any of the Following Will Be Found On Each Package

**PLEASE NOTE:** If wanted by Parcel Post add for postage as follows: 10c for 1 lb., 15c for 2 lbs., 20c for 5 lbs., 30c for 10 lbs., up to and including the third zone; for other zones please add additional postage.

Nowadays spraying is a necessity on all growing crops. Do not wait until the disease or bugs get ahead of you: It is more economical, easier and cheaper to spray early and check the infestation.

**Ansul Formaldehyde Dust**—A seed and soil treating material controlling seed borne disease as well as damping off of seedlings and cuttings. 1 lb. 75 cts., 5 lbs. \$2.00, 25 lbs. \$5.50, 50 lbs. \$9.00.

**Antrol**—The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating insects. It is composed of small glass containers and a special formula of syrup. Antrol sets containing 4 ready filled ant feeders 40 cts., extra ready filled feeders 10 cts., 4 oz. bottle syrup 35 cts., pints 85 cts.

**Atlacide (Calcium Chlorate)**—A non-poisonous Weed Killer. Can be dissolved in water and applied as a spray or can be dusted on the weed from the sifter can. Very effective on poison ivy. No. 1 size (kills 100 to 450 square feet of weeds) 50 cts. each, No. 3 1/2 size (kills 350 to 1500 square feet of weeds) \$1.50 each.

**Arsenate of Lead (powdered)**—1 lb. to 1 1/2 lbs. dilutes to 50 gallons of water or may be used dry like Paris Green. 1 lb. bags 20 cts., 1 lb. carton 25 cts., 4 lb. bags 60 cts.

**Arsenate of Calcium**—Used in control of potato bugs, Mexican bean beetle, tomato and cabbage worms and many other chewing insects, which attack vegetables. Mixed easily with water and can be used as either spray or dust. 1 lb. 20 cts., 4 lb. bags 50 cts.

**"Black Leaf 40"**—Per 1 oz. bottle 35 cts., 5 oz. bottle \$1.00, 1 lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$9.85.

**Bordeaux Mixture (powder)**—12 3/4% copper mixture, for spraying purposes. 1 lb. 25 cts., 4 lb. bags 60 cts.

**Black Arrow Insect Dust**—Non-poisonous and will not burn. Black Arrow not only kills insects that come in contact with it but also acts somewhat as a repellent. When dusted on plants and on the soil it readily effects most insects. 1 lb. 41 cts., 100 lbs. 24 cts. per lb.

**Blue Stone (Copper Sulphate). Crystals.** for making Bordeaux Mixture; best known remedy for blight. Lb. 10 cts., 10 lbs. 90 cts., 100 lbs. \$7.00.

**Copper Solution Ammoniated.** A fungicide the same as Bordeaux Mixture, the essential ingredient, carbonate of copper, being dissolved in ammonia. Qt. \$1.25, gal. \$3.75.

**Calso**—A perfect treatment for potatoes, tobacco, tomatoes, celery, cabbage, cauliflower, cucumbers, cantaloupes and all truck crops with hardy foliage because it supplies protection against pests and fungus diseases in a practical way. 1 lb. 40 cts., 5 lbs. \$1.35.

**Carbon Disulphide Merck**—For the extermination of woodchucks, ground squirrels, moles, mice and prairie dogs. Also used in wheat bins to control weavels. 1 lb. can 50 cts.

**Ceresan (New Improved)**—A new low cost grain disinfectant. Costs only 1 7/8 to 2 1/8 cents per bushel. Unusually effective in controlling bunt or stinking smut of wheat, covered smut and stripe of barley, and oat smut. Frequently improves the stand and yield of grain 1 to 5 bushels per acre. Easily and quickly applied by 20 revolutions of seed treater or 3 turnings with a shovel. Seed should be treated 24 hours before planting. Does not reduce drilling rate nor damage drill. One pound treats 32 bushels of wheat, oats, or barley. 1 lb. tin 75 cts., 5 lb. tin \$3.00.

**Cyanogas (Calcium Cyanide) (G. Fumigant)**—A valuable insecticide for greenhouse fumigation, for destroying aphids, white fly, soft scale, thrips, etc. It is scattered along the walks and the house closed for the night. 5 lbs. \$3.00, 25 lbs. \$10.00.

**Cyanogas (Calcium Cyanide) (A Dust)**—for killing rats, moles, woodchucks and other rodents. Per 1/2 lb. 45 cts., 1 lb. 75 cts., 5 lbs. \$3.00.

**Derrisol**—Kills by paralysis. Non-poisonous, odorless, pleasant and safe to use. Efficient for the control of aphids, black flies, leaf hoppers, thrip and many other soft bodied sucking insects as well as many small leaf eating larvae such as cabbage worms. Can be used on plants soon to be eaten. 1 oz. bottle makes six gallons, 35 cts., 1/2 lb. bottle \$1.35, 1 lb. can \$2.50.

**Fume Tobac (for burning)**—A high nicotine content tobacco dust, for greenhouse fumigation. 25 lbs. \$4.25, 50 lbs. \$7.50, 100 lbs. \$14.00 f.o.b. Elmira, N. Y.

**Fish Oil Soap**—An excellent summer spray, when something stronger cannot be used, where San Jose Scale exists. It is nice for washing off lemon trees, oleanders and almost anything that may be infested with soft shelled or, in fact, most any kind of insects. Dissolved in water according to various purposes. 1 lb. 35 cts., 25 lb. kegs \$5.00.

**Fungtrogen**—A highly concentrated form of fungicide that will conquer mildew and control black spot on roses. It also supplies essential fertilizer. Dilutes 1 part to 60 parts of water. 75 cts. per 1/2 pint, 1 pint \$1.25.

**Garden Volck**—Containing both nicotine and soap, resulting in practically a complete spray, insecticide, fungicide and ovicide. Effective against aphids, cyclamen mite, white fly, chrysanthemum midge, rust, and mildew. 3 1/2 oz. bottle 35 cts., 1 pint \$1.00, 1 quart \$1.50.

**Grape Dust**—A powder preparation used for mildew, aphids, black fly and other insects and fungous diseases, principally in greenhouses. 1 lb. 35 cts., 5 lbs. \$1.25.

**Grafting Wax**—For all pruning and grafting purposes. Used when trimming trees and shrubbery. Gives needed protection. 1/4 lb. package 20 cts., 1/2 lb. package 30 cts., 1 lb. package 50 cts.

**Lime Sulphur Solution**—For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring; also for leaf curl of peaches. 1 gal. 85 cts. Ask for prices on bulk.

**Lime Sulphur (Dry Powder Form)**—Applied as a dormant spray in the fall after the leaves drop or in the spring before the buds open to destroy San Jose scale and fungus scores of apple scab, peach rot, leaf spot, etc. One-half pound will make five gallons of solution. 1 lb. 35 cts., 12 1/2 lb. bag \$1.50.

**Mexogen**—Kills and repels Mexican Bean Beetles, including the adult, larvae and eggs; non-poisonous to humans, animals and birds, when directions are followed. Per 1/2 pint 75 cts., quart \$2.00, gallon \$6.00.

**Monohydrated Copper Sulphate**—For destroying fungus diseases of all kinds. Combine with lime and use as a dust. 1 lb. 15 cts., 5 lbs. 65 cts., 100 lbs. \$8.50.

**New Evergreen Insecticide**—A non-poisonous insecticide, recommended for killing a wide variety of insects on plants and flowers. Per 1 oz. 35 cts., 6 ozs. \$1.00, 16 ozs. \$2.00, 1 quart \$3.50, 1 gal. \$9.50.



# Insect Destroyers, Etc.

**Naphthalene Flakes Treatment of Gladiolus Bulbs for Thrips**—Sprinkle the flakes among the bulbs using one ounce to one hundred bulbs, or about 1 lb. to a bushel of bulbs. The time of application may be either in the fall, during the winter or a week or two before planting in the spring. Lb. 15 cts. (postpaid 25 cts.) 5 lbs. or more 12 cts. lb.

**Nico Fume (liquid)**—For use as a spray or vapor, for controlling green fly, aphids, etc., in greenhouses and outdoors. 1 lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00.

**Nico Fume Paper**—For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets \$1.25, 144 sheets \$4.50, 288 sheets \$8.00.

**Nico Fume Fumigating Powder**—A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. 1 lb. \$1.00, 5 lbs. \$3.35, 10 lbs. \$5.85.

**Para Dichlorobenzine**—For peach tree borers. Full directions on each package. Do not use on very young trees. When planted around base of a peach tree it generates a gas that kills the borer in that tree. 1 lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$5.75, 50 lbs. \$11.00.

**Paris Green**—A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound of Paris Green to 100 pounds Land Plaster. ¼ lb. 20 cts., ½ lb. 30 cts., 1 lb. 50 cts.

**Pomo-Green with Nicotine**—The leaf-green all-in-one Dust or Spray. A combination material which controls fungus diseases, and kills both leaf-eating insects and aphids. Leaf-green in color and never unsightly on plants. May be used for dusting or spraying. Lb. can 75 cts., 5 lbs. can \$3.00.

**Pomo-Green without Nicotine**—(For use as dust only) is highly recommended where aphids or other sucking insects are not present. Lb. 50 cts., 5 lbs. \$1.75.

**Pyrox (Bowkers)**—A combined insecticide and fungicide for all leaf eating insects, blights and fungous troubles; it is a pasty substance and needs only to be mixed with cold water. 1 lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$5.00, 100 lbs. \$12.50.

**Pyrox (Nicotine)**—Kills both chewing and sucking insects; controls blight and other diseases. Just mix with water and spray. 10 ozs. 39 cts., 1 lb. 49 cts., 5 lbs. \$1.75, 10 lbs. \$3.00.

**Red Arrow Insect Spray (Pyrethrum Soap)**—A non-poisonous, efficient insecticide for beetles, Japanese beetles, rose chafers, aphids (plant lice), leaf hoppers, etc. 1 oz. 35 cts., ¼ pint \$1.00, 1 pint \$2.00, 1 quart \$3.70, 1 gallon \$9.50.

**Red "A" Soap**—A neutral liquid potash cocoanut oil soap. An activator and spreader. When used with insecticides decreases cost of finished spray. ½ pint 35 cts., 1 pint 60 cts., 1 quart \$1.00, 1 gallon \$1.25.

**Rotecide**—A standard rotenone spray, sure death to all kinds of chewing and sucking insects, kills both by contact and thru the stomach, absolutely harmless to man, animal or bird life. Will not spot, discolor or burn the most tender plant or flower. Rotecide spray is complete. No spreader required. Just add water. 1 oz. bottle 35 cts., 8 oz. can \$1.00, 1 pint can \$1.75, 1 quart can \$3.00, 1 gallon can \$8.00.

**Selocide**—A poisonous contact spray for red spider only. 1 quart \$1.00, 1 gallon \$2.75.

**Semesan (DuBay)**—A mercuric disinfectant for the control of many seed, plant and soil diseases. One ounce treats 15 pounds of seed. Per 2 ozs. 50 cts., 1 lb. \$2.50, 5 lbs. \$11.75.

**Semesan Bel (DuBay)**—For treating seed potatoes before planting controlling seed-borne diseases. 1 lb. treats 60 to 80 bushels of seed. Per 4 ozs. 50 cts., 1 lb. \$1.75, 5 lbs. \$8.00.

**Semesan Jr. (DuBay)**—For controlling seed-borne diseases of seed field and sweet corn; protects the seed from rotting in the ground. Per 4 ozs. 50 cts., 1 lb. \$1.50, 5 lbs. \$7.00.

**Scalecide**—Used for the destruction of the San Jose Scale. Scalecide does not clog nozzles, hose or pump and is pleasant to use. Spray during the winter or early spring when the trees are dormant. 1 quart 65 cts., 1 gal. \$1.55, 5 gals. \$5.50, 15 gals. \$11.25, 30 gals. \$18.50, 50 gals. \$26.00.

**Slug Shot**—The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft shelled insects that infest the vegetable or flower garden. 1 lb. carton 25 cts., 5 lbs. 85 cts., 25 lbs. \$3.50, 125 lb. keg with duster \$16.50.

**Snarol**—For the control of cutworms, snails, slug, etc. Non-injurious to vegetation and very economical to use on account of its insolubility in water. 1½ lb. 35 cts., 4 lbs. 85 cts.

**Sunoco Spray Oil (Miscible Oil)**—Control for scale insects on trees and shrubs, and those pests attacking coniferous evergreens. Gallon \$1.25, 5 gals. \$5.00, 15 gals. \$8.50, 30 gals. \$14.00, 50 gals. \$20.00.

**Sulfocide**—An effective summer spray for the control of scale and black-rot on fruit trees, also for mildew and black-rot on roses, etc. Per pint 50 cts., 1 quart 85 cts., 1 gallon \$2.25.

**Thrip Juice (Hammond's)**—This preparation is very effective against aphids, red spider, mealy bugs and sucking insects generally. 1 pint 65 cts., 1 quart \$1.25, 1 gallon \$4.80.

**Tobacco Dust (for dusting)**—Repellent for most insects, bugs and worms infesting the garden. 1 lb. 10 cts. (prepaid 20 cts.), 5 lbs. 35 cts. (prepaid 50 cts.), 10 lbs. 60 cts., 25 lbs. \$1.00, 100 lbs. \$3.25.

**Tree Tanglefoot**—A paste preparation painted around the trunks to keep caterpillars, etc., from crawling into the trees. One pound makes from 12 to 15 lineal feet of band. 6 ozs. 25 cts., 1 lb. 60 cts., 10 lbs. \$4.35.

**Tree Wound Paint**—Prevents decay after pruning. Stops tree bleeding. This residual, penetrating, antiseptic paint is not effected by cold, heat or moisture. Does not peel, crack or get brittle. 1 quart \$1.20, 1 gallon \$3.00.

**Tri-Ogen**—Insect spray and Fungicide Rose Garden spray treatment, especially recommended for flowers. Convenient, easy and pleasant to use. Triple acting. Small kit (makes 16 qts.) \$1.50. Medium kit (makes 64 qts.) \$4.00.

**Volck, Nursery**—Effectually controls aphids, mealy bug, white fly, thrips, etc., while for red spider and scale insects upon evergreens it is unequalled. Does not discolor foliage. ½ pint 35 cts., pint 55 cts., quart 80 cts., gallon \$2.50.

**Weed Killer**—Destroys weeds in paths, roads, gutters, drives, etc. Kill roots and tops of all weed and grass growth easier and less expensive than hoeing and digging by hand. Very effective in walks and cobbled gutters without injury to road-bed. Does not discolor cement. Usually prevents growth for season. 1 quart can 50 cts., 1 gallon can \$1.50, 5 gallon can \$6.25.

SUBJECT TO MARKET PRICE—DEALERS AND LARGE USERS PLEASE WRITE FOR QUANTITY PRICES

**PLEASE NOTE:** If wanted by Parcel Post add for postage as follows: 10c for 1 lb., 15c for 2 lbs., 20c for 5 lbs., 30c for 10 lbs., up to and including the third zone; for other zones please add additional postage.



# PROTECT your GARDEN with

# NEW EVER GREEN SPRAY

New simple way to kill plant insects.

Just mix NEW EVER GREEN with water and spray. Deadly pyrethrum content kills a wide range of insects, such as aphids, leaf-rollers and hoppers, rose and aster beetles, and many other insects that eat leaves, destroy blossoms or suck sap.

Non-poisonous to men, plants or animals. One ounce makes as much as six gallons of spray.

**1 oz. bottle 35 cts., 16 oz. can \$2.00**  
**6 oz. can \$1.00, 1 gallon can \$9.50**

## Nicotine Pyrox is a complete garden spray especially prepared for the home gardener

Nicotine Pyrox protects plants against insect pests, blight and other fungus diseases. Because it contains all the necessary ingredients properly and scientifically blended, Nicotine Pyrox is a complete garden spray. It contains nicotine to combat sucking insects, arsenic poison to control leaf-eating insects, as well as a copper ingredient which provides protection against fungus diseases. No other spray is needed when Nicotine Pyrox is used.

Nicotine Pyrox is fool proof. It comes in a mixed paste form, ready to use. Just dilute with water and spray. It sticks to the foliage and does not easily wash off, providing a lasting protection. Nicotine Pyrox is the only paste form spray on the market. It is clean to use. You breathe no messy, harmful, chemical dust when you use Pyrox.

The paste form of spray material is recognized by authorities as the most efficient form of spray



material because it permits the finest mist-like spray which settles like fog over the plant, completely covering the surface of the foliage. Such a fine mist-like spray as Pyrox provides is possible only because Pyrox is a chemical precipitate which makes the minute Pyrox particles many times finer than any dry, powdered material can be ground.

**Nicotine Pyrox is easy to use—just add water and spray**

### PRICES

PYROX		ARSENATE OF LEAD		NICOTINE PYROX	
5 lbs. ....	\$1.75	1 lb. carton. ....	\$ .25	10 oz. jar. ....	ea. \$.39
10 lbs. ....	3.00	1 lb. bag. ....	.20	1 lb. jar. ....	ea. .49
25 lb. drums ....	ea. 5.00	4 lb. bag. ....	.60	5 lb. drum ....	ea. 1.75
50 lb. drums ....	ea. 7.25			10 lb. drum ....	ea. 3.00

**PLEASE WRITE FOR QUANTITY PRICES**



# INSECT AND DISEASE PESTS

Plant diseases are many kinds. Some, such as mildew, leaf-spot and rust attack leaves. Others, as fire blight, damage branches and stems of plants. Some, such as root rot, waylay the plant at the roots. Some diseases such as mosaic seem to disturb plant life processes in some way, no one is sure as to just how. These diseases are spread by various agencies as

soil, wind, insects, contact, seed, tools, shoes of the gardener and also birds.

Some of the better known ways of controlling various diseases, depending upon their characteristics, are by spraying, dusting, seed treatment, soil disinfection, rotation, planting on new and clean ground, breeding resistant strains and destroying infected portions or crop residues.

## INSECT PESTS

Insects are of two general kinds, chewing and sucking. The first, such as leaf eating beetles, grasshoppers and caterpillars, eat tissues or leaves and are controlled by a stomach poison applied to the plants. The most satisfactory poisons are lead arsenate, calcium arsenate or Paris Green.

Sucking insects pierce the leaves or other covering and suck the plant juices from within, so they must be killed by some contact poison which kills by its burning action, poisoning thru the breathing apparatus, or, by suffocation. Among these insects are thrips, aphids, scales and mealy bug. The chief contact sprays are nicotine sulphate, nicotine dust, pyrethrum powder, dusting sulphur, lime sulphur, oil emul-

sions, miscible oils or fish oil combinations. Non-poisonous sprays which kill both chewing and sucking insects are Evergreen, Red Arrow, Derrisol and Rotecide.

For control of insects and plant diseases. Much the simplest procedure in the average sized garden, (ornamental or vegetable) is to go to your local dealer who specializes in garden supplies, buy the chemicals needed in prepared form under trade names and use according to the manufacturer's directions. Be sure of course to read labels and directions on package before buying. Buy nationally advertised goods of known effectiveness when possible. Also arm yourself with printed literature.



## DOUBLE THE BEAUTY OF YOUR LAWN AND GARDEN WITH THESE FINE PLANT FOODS

For the maintenance of lawns, Wedo is without equal. Originally formulated for golf course use, this fine fertilizer has been adopted by many lawn experts and home owners because they have found it gives finer results.

Wedo helps to fight weeds and offers the most successful means of maintaining a beautiful weed-free lawn. Very economical. Figure 1 1/2 lbs. for each 100 square feet.



### PRICES

10 lb. Pkgs.	\$ .80
25 lb. Pkgs.	1.65
50 lb. Bags	2.75
100 lb. Bags	4.75

Sacco Plant Food is the ideal fertilizer for general lawn and garden use. Lawns thrive on this well balanced ration—flowers and shrubs fill out with heavy foliage and bloom more profusely.

Sacco is also perfectly balanced for growing fine vegetables and for tree feeding.

Sacco has the hearty endorsement of landscape gardeners and florists everywhere. Use Sacco at the rate of 3 lbs. for each 100 square feet.

### PRICES

1 lb. Cans	\$ .15	25 lb. Pkgs.	\$1.40
5 lb. Pkgs.	.40	50 lb. Bags	2.35
10 lb. Pkgs.	.70	100 lb. Bags	3.95





# Sprayers and Dusters

## BROWN'S No. 9 SPRAYER

An excellent compressed air sprayer for all spraying purposes. Made with either a heavy copper or strong copper bearing galvanized tank, with NON-CORROSIVE TANK LINING which will double the life of this sprayer over the ordinary sprayer. Pump is 2" diameter seamless brass with all metal check valve. Completely equipped as illustrated.



Will handle all spraying solutions, and is unexcelled for spraying around the home, dairy barn, poultry house, and for garden truck, field crops, etc.

The Blue Ribbon is of the same construction as the No. 9, except that it is equipped with an aluminum screw locking cap, and is of only 3 3/4 gallons capacity. Made only in brass and galvanized steel.

**Brown's No. 9C, 4 Gal. Copper Tank . . . . . \$9.50**  
**Brown's No. 9A, 4 Gal. Galvanized Tank . . . . . 6.50**  
**91B Blue Ribbon B, 3 3/4 Gal. Brass Tank . . . . . 7.75**  
**91D Blue Ribbon D, 3 3/4 Gal. Galvanized Tank . . . . . 5.25**

## BROWN'S CHALLENGER

The Challenger is an economical compressed air sprayer of three and one-half gallons capacity, made only with heavy copper bearing galvanized steel tank. Has pressed brass locking cap; pump is of seamless brass and will develop ample pressure. Completely equipped.

For use in the garden, around the house, in the dairy barn, poultry house, etc.; will handle all sorts of spraying solutions. Also used extensively for spraying whitewash, kalsomine and cold water paints.

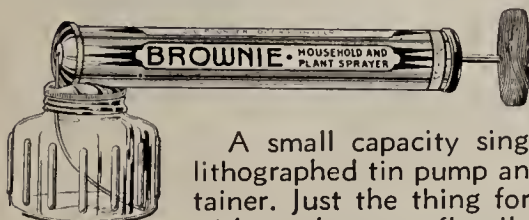


**Challenger, Galvanized Tank . . . . . \$4.25**



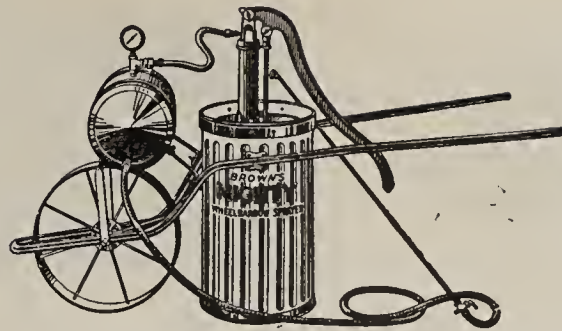
One of the best hand dusters on the market; made with tin pump and glass container, with galvanized steel extension and fan shaped spreader nozzle. Has an efficient agitator which breaks all lumps and keeps dust in constant motion. Volume of dust expelled is controlled by force used in pumping. May be used for any type of dusting.

**Brown's Crystal Duster . . . . . \$1.25**



A small capacity single acting sprayer with lithographed tin pump and five ounce glass container. Just the thing for use around the house with moth spray, fly oils, etc.

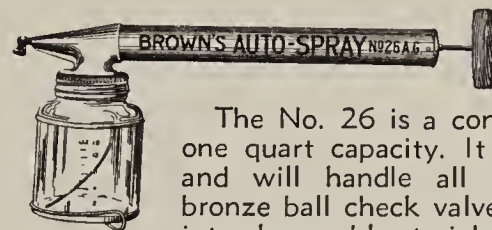
**Brownie Sprayer . . . . . \$ .15**



A sturdy wheelbarrow sprayer of fifteen gallons capacity, with full fifteen gallon tank, heavy duty pump, strong one inch steel frame and wide tired wheel. Pump will generate between 250 and 300 pounds pressure, sufficient for one or two lines of hose, and has two paddle agitators which keep solution mixed thoroughly. Completely equipped with 12 1/2 ft. 3/8", 5 ply special spray hose, shut-off, 2'8" iron extension and screen Non Clog nozzle.

The Mighty is equipped with five gallon air pressure tank, for storing pressure, with air gauge (as illustrated). Reliance is not supplied with this equipment.

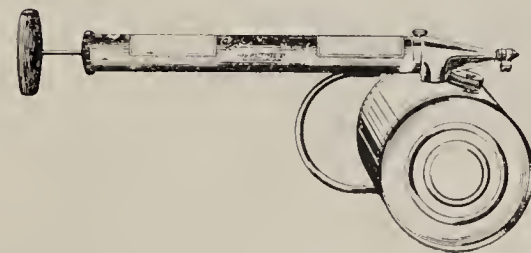
**Brown's Mighty Sprayer (with Pressure Tank) . . . . . \$34.50**  
**Brown's Reliance Sprayer (without Pressure Tank) . . . . . 21.00**



## BROWN'S No. 26 SPRAYER

The No. 26 is a continuous hand sprayer of one quart capacity. It is very easy to operate and will handle all spraying solutions. Has bronze ball check valve, brass syphon tube and interchangeable straight and angle nozzles, with lock nut for securing angle nozzle in place. No. 26BG has tin pump, brass jar cap and cone, glass container; No. 26D has seamless brass pump, solid copper container; No. 26A has tin pump and tin container.

**No. 26BG, Tin Pump, Glass Container, 1 Qt. . . . . \$1.00**  
**No. 26D, Seamless Brass Pump, Copper Container, 1 Qt. 1.50**  
**No. 26A, Tin Pump, Tin Container, 1 Qt. . . . . .65**  
**Ace Jr., Tin Pump, Glass Container, 1 Pt. . . . . .65**



A continuous sprayer of two quart capacity, sturdily built with tin pump and galvanized steel container.

Has handle between pump and tank for greater ease of operation, and to strengthen sprayer. Has bronze ball check valve, brass syphon tube and interchangeable straight and angle nozzles, with lock nut for securing angle nozzle at proper angle. All parts are easily removed for cleaning.

Will handle all spraying solutions.

**No. 26F, Tin Pump, Galvanized Container, 2 Qt. . . . . \$1.40**



The No. 22A is a single acting cone type sprayer of one quart capacity, built with lithographed tin plate pump and heavy tin plate container. Has brass filler thread to prevent cap from rusting in can. Excellent for use with all insecticides, disinfectants, moth spray, fly oils, etc.

**No. 22A, All Tin, 1 Qt. . . . . \$ .40**





**ANTS:** Simply enlarge entrances of nest with long-shank screwdriver or pointed stick. Adjust spout of can and allow a small amount of Cyanogas to flow into the enlarged hole. The worker ants and Queen are killed immediately with Cyanogas. Special 4-Oz. Ant Container 30 cts.

**MOLES:** Open up runways every 10 to 20 feet, and blow Cyanogas A-Dust in both directions with a duster. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00.

**WOODCHUCKS:** Are very susceptible to the gas liberated by Cyanogas A-Dust, and only one whiff is required to kill them. Place one tablespoonful of Cyanogas as far down the burrow as possible. Use long-handle spoon. Upset Cyanogas in a small pile. Close entrances tightly with up-turned sod. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00.

**RATS:** Cyanogas is not a bait! It is different! Simply pump it into rat burrows or hideouts, it seeks the rats and kills them instantly. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00.

**GREENHOUSE PESTS:** Cyanogas G-Fumigant, when exposed to air gives off a gas destructive to all plant insects. It is the most generally used insecticide in greenhouses. It is the most economical of all greenhouse insecticides, and is completely effective and very easy to use. 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00.

**OTHER PESTS:** Such as fleas, bees, bats, squash bugs, cucumber beetles, termites, etc., are easily controlled with Cyanogas. Leaflets containing instructions on the control of practically all pests are available.

## PROTECT YOUR GARDEN WITH



### PRICES

1 oz. makes 8 gallons. . . . . \$ .35  
4 ozs. makes 30 gallons. . . . . 1.00

### BLACK ARROW INSECT DUST Non-Poisonous

For those who prefer or require a non-poisonous dust, we recommend this product—composed of pure pyrethrum and other insecticidal factors—very effective.

### PRICE

1 lb. containers. . . . . 50c lb.  
1 pint makes 140 gallons. . . . . \$2.00  
1 quart makes 280 gallons. . . . . 3.70  
1 gallon makes 1120 gallons. . . . . 9.50

### RED 'A' SOAP

A neutral liquid potash cocoanut oil soap, an activator and spreader. When used with insecticides, Red 'A' Soap decreases cost of finished spray.

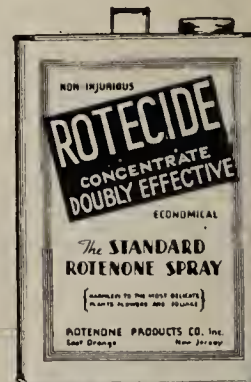
### PRICE

1 gallon . . . . . \$1.25



**Roteicide.** The Standard Rotenone Spray is the most modern and fool-proof method of insect control. Roteicide is a complete spray, simply add water. It kills every type of insect, worm or beetle. Very good for Mexican bean beetle. Harmless to delicate plants and non-poisonous to humans, animals, and bird life. Positively will not burn or discolor the most tender foliage.

1 oz. bottle . . . . . \$ .35  
8 oz. bottle . . . . . 1.00  
Pint can . . . . . 1.75  
Quart can . . . . . 3.00  
Gallon can . . . . . 8.00





# High Grade Fertilizers

**PLEASE NOTE—No smaller quantity of Fertilizer than here offered can be supplied.**

**If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows:**

**15 cts. for 3 lbs., 20 cts. for 5 lbs., 30 cts. for 10 lbs.**

**Prices on Fertilizers subject to market changes.**

**Aluminum Sulphate**—A material used in creating acid soils, in which Azaleas, Rhododendrons, and similar plants are to be grown. Use one pound to 10 square feet of surface. 5 lbs. 45 cts., 10 lbs. 75 cts., 25 lbs. \$1.50, 100 lbs. \$5.00.

**Adco**—The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc., at the rate of two pounds to each wheelbarrow load of refuse, will produce a clean, odorless manure, within three or four months. 25 lbs. \$2.00.

**Blood Dried**—A very quick acting fertilizer, being immediately soluble. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75.

**Bone Meal**—Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and green houses, or any purpose where a high class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.50, 100 lbs. \$2.75.

**Cotton Seed Meal**—Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable.

**Driconure**—A combined fertilizer and soil conditioner, contains all the strength of fresh manure, yet absolutely free of weed seeds and other impurities. Use in general gardens and for lawns. 3 1/2 bushel bag \$2.50.

**Lime, Agricultural Hydrated**—Sweetens sour soils; binds loose soils; breaks up clay. Use 1/2 lb. to square yard. 10 lbs. 25 cts., 50 lbs. 60 cts.

**Muriate of Potash**—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, and other grains. 5 lbs. 40 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

**Nitrate of Soda**—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers, to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gallon of water and do not apply oftener than twice a week. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$1.75, 100 lbs. \$3.00.

**Peat Moss (granulated)**—Acts as a perfect mulch. Marvelous results obtained with your garden and lawn by working it into the soil. Makes fertilizer more satisfactory. Prevents ground becoming hard baked or crusted. See page ad. Prices: bale of about 20 bu. \$3.50, 1/2 bale \$2.00, 1/4 bale \$1.50.

**Phosphate**—For all vegetable crops, grains, grass, etc. Apply 800 to 1,000 lbs. per acre broadcast. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25.

**Phosphate for Corn and Oats**—Apply 800 lbs. per acre. 100 lbs. \$2.00. Ask for ton prices.

**Potato Fertilizer**—Apply at the rate of from 800 to 1,000 lbs. per acre. 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25.

**Sulphate of Potash**—Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for roots and grain crops. Analysis equal to 50% of actual potash. 5 lbs. 40 cts., 70 cts. per 10 lbs.

**Salt**—For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 100 lbs. 90 cts.

**Sheep Manure (Wizard Brand)**—Apply 1,000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use. It is clean and easily handled, besides giving immediate results. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.60, 100 lbs. \$2.75.

**Swedex (The new Moss Peat)**—25 times finer than any Peat Moss. Use it as a top dressing for lawns. Penetrates down to the roots, supplying them with life giving humus for years. Quickly rehabilitates. Apply about one-half inch thick. 1/2 bale \$2.00, bale \$3.50.

**Sulphate of Ammonia**—Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large lead development or rapid growth is desired. Will stimulate growth almost immediately. 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

**Sacco**—A specially prepared plant food. Very highly recommended by florists, estates, market gardeners, etc., for lawns, flowers, vegetables, house plants, shrubbery, trees, etc. Rich in life giving nitrogen, phosphates and potash. Contains tobacco stems and manganese sulphate. 1 lb. 15 cts., 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.40, 20 lbs. \$2.35, 100 lbs. \$3.95.

**Stim-U-Plant**—A plant food in tablet form; contains highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants and may be used in tablet or in liquid form. Per pkg. of 30 tablets 25 cts. (by P. P. 30 cts.), 75 cts. per pkg. of 100 tablets (by P. P. 85 cts.), 1000 tablets \$3.50 (by P. P. \$3.65).

**Vigoro**—A specially prepared plant food. 3/4 lb. box 10 cts., 5 lbs. 50 cts., 10 lbs. 85 cts., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

**Wedo**—A scientific fertilizer that both feeds lawns and fights weeds. Sift Wedo on your lawn. Only a small amount is needed—one pound for every 100 square feet. No better fertilizer for lawns, fairways and greens. 25 lbs. \$1.65, 50 lbs. \$2.75, 100 lbs. \$4.75.

**Wizard Cattle Manure**—Shredded, pulverized and dried and therefore considerably more concentrated than as it comes from the stable. 100 lbs. \$2.75.

**PLEASE WRITE FOR MARKET PRICE ON LARGER QUANTITIES  
DEALERS, FLORISTS AND LARGE USERS PLEASE ASK FOR QUANTITY PRICES**

**Fertilizers Are the Bread, Meat, and Milk for Plants**



To get a full measure of beauty from your lawn and garden you must feed them regularly with a complete, balanced plant food. We recommend that you use Vigoro, the complete plant food made by Swift.

Vigoro was the plant food selected for use on the Horticultural Exhibition Gardens at A Century of Progress in 1933 and 1934. These gardens amazed millions of visitors to the Fair with their beauty, yet conditions under which they were required to grow were extraordinary. It was necessary to make these gardens in washed sand, which had been covered with a thin layer of top soil. Vigoro was selected because only a complete plant food could assure finest growth.

## VIGORO Is Easy to Use!

- Anyone can have wonderful success with Vigoro if they will take three simple steps:
1. Read the directions enclosed in each bag of Vigoro.
  2. Apply Vigoro evenly, sowing it by hand like grass seed, or better, putting it on with an efficient Vigoro Spreader.
  3. Immediately after applying to established lawns, soak down thoroughly. Soaking carries the plant food down to the plant roots. When not practical to water, applications to lawns should be followed by a light dragging to shake the plant food off the blades.

## CLEAN, ODORLESS, ECONOMICAL

Vigoro is sanitary and odorless and does not contain weed seeds or refuse which are so objectionable to work with. It is especially formulated for use by the home gardener supplying lawns, flowers, shrubs, trees, and vegetables with the nourishment they need for finest growth. It is most economical to use, for only four pounds are required to feed properly 100 square feet of lawn or garden area.

100-lb. bag	\$4.00	10-lb. pkg.	\$.85
50-lb. bag	2.50	5-lb. pkg.	.50
25-lb. bag	1.50	12-oz. pkg.	.10
Prices F.O.B.			

# VIGORO

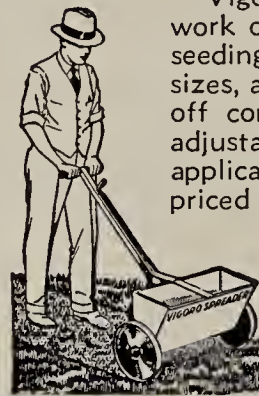
*Complete plant food*

for: LAWNS, FLOWERS, SHRUBS, TREES, GARDENS



## VIGORO SPREADERS

Vigoro Spreaders make quick work of lawn feeding and lawn seeding. They are made in four sizes, all with forced feed, shut-off control on handle and are adjustable for various rates of application. All models are priced low.



### PRICES

Model B, 14"	\$2.70
Standard, 24"	10.55
Special, 36"	17.25

# Wizard Brand Natural Plant Foods

Permanently Improve All Soils and Make Better Lawns and Finer Gardens!

## Pure Sheep Manure

Wizard Sheep Manure is pure sheep manure from covered sheep feeding pens, highly concentrated and sterilized to kill all weed seeds. It is a quick acting natural plant food and soil builder. Supplies humus and all the essential plant food elements in a SAFE natural form. Sheep Manure is ideal for lawns, flowers, shrubs and vegetables.



## Pure Cow Manure

Wizard Cow Manure, also a concentrated and sterilized pure manure, is available in two forms. Shredded Cow Manure is a coarse lumpy unscreened form very desirable for mulching and feeding. Pulverized Cow Manure is a fine uniformly ground product. Cow Manure is preferred for roses, lilies and such plants that require a SAFE, cool, slow acting plant food.

Florists, landscape gardeners and practical growers know the great value of manure and use it because it not only feeds plants Nature's way but also permanently improves the physical condition of the soil. Wizard is a lasting fertilizer and not a temporary stimulant. Every amateur can get results with Wizard Manures because they are safe, convenient and easy to use. For lawns and established flowers use 8 to 10 lbs. per 100 sq. ft. One pound will make five gallons of excellent liquid plant food. Rates of application and full directions for use are packed in every bag. Let Wizard put new life and beauty into your lawn and garden.

### PRICES

100 lbs.	\$2.75	25 lbs.	\$.90
50 lbs.	1.60	10 lbs.	.60
5 lbs.	\$.35		

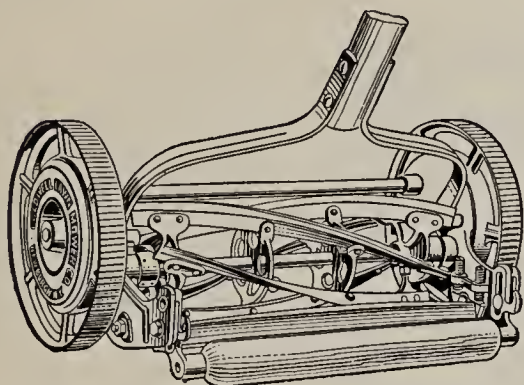


SINCE 1867  
**COLDWELL**

## LAWN MOWERS

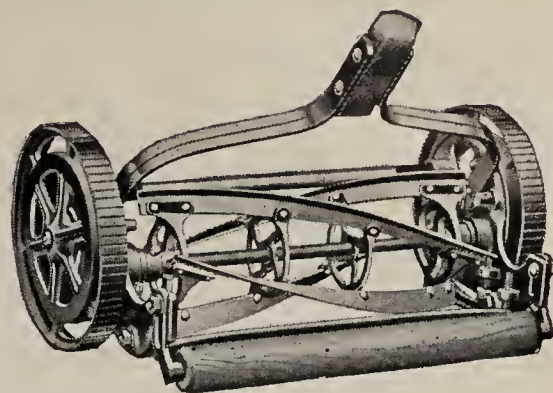
The mowers are carefully machined, light, strong and durable; insuring years of dependable service. Adjustable ball bearings. Bottom knife built from the finest laid steel, with self-sharpening, lipped edge. Hardwood, varnished handles and beautifully finished.

### AMBASSADOR (Ball Bearing)



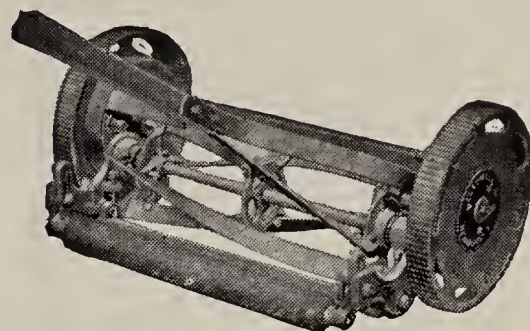
Five Blades, Norma-Hoffman Bearings. Ten inch wheels. Height of cut,  $\frac{3}{8}$  to  $1\frac{1}{2}$  inches. Cutting width, 14, 16, 18 and 20 inches. Prices: 16" \$13.50, 18" \$14.50, 20" \$15.50.

## METROPOLITAN BALL BEARING



Four or Five Blades. Adjustable Ball Bearings. Ten inch wheels. Height of cut,  $\frac{3}{8}$  to  $1\frac{1}{2}$  inches. Cutting width, 14, 16 and 18 inches. Prices: 4 blade, 14" \$6.40, 16" \$6.70, 18" \$7.15; 5 blade, 14" \$6.85, 16" \$7.15, 18" \$7.65.

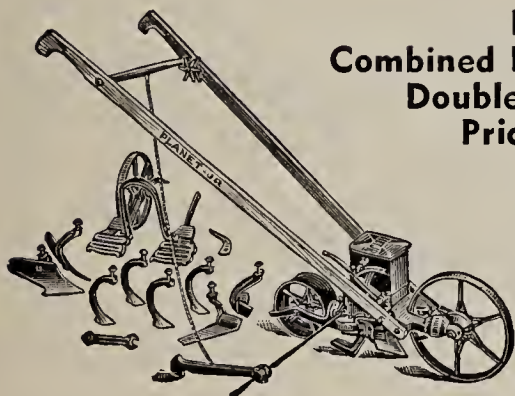
### VASSAR (Ball Bearing)



Five Blades, adjustable Ball Bearings. Ten inch wheels of indestructible pressed steel. Height of cut,  $\frac{3}{8}$  to  $1\frac{1}{4}$  inches. Cutting width, 14, 16 and 18 inches. Prices: 16" \$8.85, 18" \$9.30.

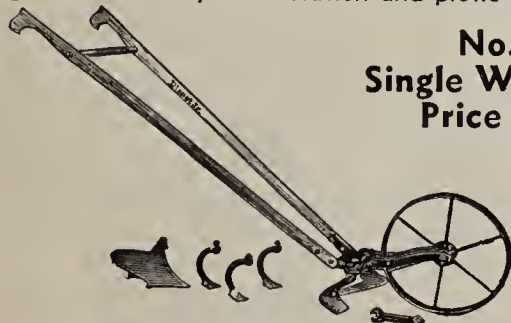
## Planet Jr. Garden Tools

### No. 25 Combined Hill . Drill Seeder Double Wheel Hoe Price \$21.00



"The Complete Gardener." Plants practically all vegetable seeds at the proper depth in straight and narrow continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. Easily changed into a Double or Single Wheel Hoe. Attachments are those most needed—hoes for weeding and shallow cultivation—cultivator teeth for general and deeper cultivation and plows for furrowing, covering, weeding.

### No. 17 Single Wheel Hoe Price \$7.35



Very popular because equipment includes just the attachments needed in the average garden. A pair of 6" hoes for weeding and shallow cultivation, three cultivator teeth for deeper and general cultivation and a plow with landside for hilling, furrowing, ridging and plowing. Light and easy to handle. All steel—unbreakable.

### No. 12 Double and Single Wheel Hoe Price \$10.25



Equipment includes attachments needed in the average garden. One pair 6" hoes for shallow cultivation and weeding, four cultivator teeth for deeper and general cultivation and a pair of plows for plowing, furrowing and ridging and a pair of leaf lifters which are useful in protecting the leaves and vines when crops are maturing. As a Double Wheel Hoe it will straddle crops 20" high, cultivating both sides at once. Easily changed to a single wheel hoe for working between rows.

### No. 119 Garden Plow Price \$3.65



A sturdy and inexpensive garden plow and cultivator. For those liking the high-wheel this tool is the favorite. Equipment includes a large plow, a scuffle blade and three cultivator teeth. Due to the high center of gravity this tool pushes very easily.



## INOCULATE

**YOUR LEGUME SEEDS**, such as alfalfa, sweet clover, red clover, alsike, soybeans, peas, field and garden beans, vetches, etc.

# NOD-O-GEN

Highest quality cultures, guaranteed to reach you fresh, without contamination. Billions of vigorous bacteria in each bottle. Lowest prices for the best and there is no reason to pay more.

For small seeds, such as Alfalfa, Sweet Clover, Red Clover, Mammoth Clover, Alsike, etc.

1/2 bu. size...\$ .30      1 bu. size...\$ .50      2 1/2 bu. size...\$1.00

For large seeds, such as Soybeans, Cowpeas, Vetch, Field Peas, Field Beans, etc.

1 bu. size...\$ .30      2 bu. size...\$ .50      5 bu. size...\$1.00

Manufactured in the laboratories of  
**ALBERT DICKINSON COMPANY, CHICAGO, ILL.**  
Refiners of PINE TREE Farm Seeds



## STANLEY'S CROW REPELLENT

The Standard for Over Twenty Years

### PROTECTS YOUR SEED CORN

from Crows, Pheasants, Blackbirds, Larks, and all other corn-pulling birds and animal pests, such as Moles, Gophers, Woodchucks, Squirrels, etc.



(1 Quart) enough for 4 bushels seed **\$1.75**

(1 pint) Enough for 2 bushels seed **1.00**

(1/2 pint) Enough for 1 bushel seed **.60**

It positively will not clog any planter. It is non-poisonous and will not injure the seed of any kind of corn. It is more effective, more convenient to use, and more economical than any other material.



"I see reports of so many losing their little chicks from diarrhea and bowel trouble. I used to lose a great many of the little downy fellows; tried many remedies and was about discouraged.

"As a last resort I used WALKO TABLETS and raised 300 White Wyandottes; never lost one or had one sick after using the Tablets and my chickens are larger and healthier than ever before."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

You can have the same happy results raising baby chicks if you use WALKO TABLETS.

WALKO TABLETS for Baby Chicks, 50 cts., \$1.00, \$2.50 and \$4.00.

WALKO TONIX for more eggs, 50 cts., \$1.00, \$2.75 and \$5.00.

WALKO WORM TABLETS for Round Worms and Tape Worms.

Half Grown Size, 65 tablets 50 cts.

Full Grown Size, 40 tablets 50 cts.

Full Grown Size, 100 tablets \$1.00.

WALKO LICE POWDER for lice on poultry, horses, cows, dogs, pets of all kinds and fur-bearing animals, 50 cts.

**DEALERS PLEASE ASK FOR PRICES**

## SLUG SHOT KILLS INSECTS

Mexican Bean Beetle, Cabbage Worm, Potato Bug. All Garden Insects die after the use of Slug Shot. Not poisonous.

**1 lb. Sifter can 25c, 5 lbs. 85c**



## Grape and Rose Dust

The best dust to use for Mildew, Black Spot and all fungus diseases on roses and other plants.

**1 lb. can 35c, 5 lbs. \$1.00**

## KILL WEEDS EASILY

Simply dilute this concentrated liquid with 40 parts of water and sprinkle. All the weeds die.

**1 qt. 50c      1 gal. \$1.75**  
**5 gals. \$8.00**





# SPRATT'S Meat Fibrine Dog Biscuit Foods



## OVALS

A miniature dog biscuit for both small and medium breeds.

## FIBO

An appetizing granulated food for puppies and full-grown dogs—invaluable as a change.

## SPIX

These bone-sized biscuits are easy to grasp and dogs eat them ravenously.

PLACE YOUR ORDER NOW



## "JUST THE GARDEN GLOVE I'VE BEEN LOOKING FOR!"

That's what you'll say, too, when you put on this new and different glove which has been specially designed for garden wear. Its unique qualities have made it nationally popular with both men and women.

### ALL-LEATHER, SOFT AS KID

#### Dirt-Proof, Extra Pliable

Made from select imported leather processed to render it extra soft and pliable as well as durable. Gives complete protection from dirt, bruises, scratches and stains—yet allows almost bare-hand freedom with maximum comfort.

Economical, too, for they will outwear six pairs of ordinary fabric gloves and are useful the year round for **Garden, Housework, Painting, Yard, Furnace, Garage, etc.** Keep the hands in "party" condition.

*National*  
**Eazy Wear**  
*Garden Gloves*

### WASHABLE!

Sizes for women:  
"Small," "Medium,"  
"Large" — for men:  
"Medium" & "Large."  
Price, 75 cents a pair  
(2 pairs, \$1.40) post-  
paid.



## FLEISCHMANN'S Irradiated Dry YEAST FOR DOGS and Other Animals



is ALL Yeast—contains no filler, is rich in vitamins B, G and D, increases pep and general vitality, stimulates the appetite and aids digestion, produces a firmer and heavier coat, builds stronger bones and muscles, prevents and cures rickets, strengthens bitches in whelp, develops sturdier puppies, prevents and cures black tongue in dogs.

### PRICES

8 oz. can . . . . .	\$ .50	1 lb. can . . . . .	\$ .85
5 lb. can . . . . .	\$3.50		

## K. F. S. DOG FOODS

**K-9 FOOD** made from Government Inspected Beef, Cereals and Vegetables. One of the best canned rations.

**CERO-MEATO** a kibbled food for all breeds of dogs. High food value.

**COD LIVER OIL VEGETABLE and MEAT BISCUITS** whole or kibbled. One of the best dog foods for winter use.

**ALL AROUND BISCUITS** broken. One of the most economical foods for use in the kennel.

Postal card will bring you our free box of samples with booklet and price list. Practical and economical foods for all breeds of dogs.

### THE FOOD WILL TELL

MANUFACTURED BY

**KENNEL FOOD SUPPLY COMPANY**

**Fairfield**

**Connecticut**



# Dog and Cat Food, Remedies and Supplies

## Glover's Imperial Medicines

### FOR INTERNAL USE

- Round Worm Vermifuge.** For Puppies, Dogs, Foxes and Cats. 50 cts.
- Round Worm Capsules.** For Puppies, Dogs and Foxes. 50 cts.
- Tape Worm Capsules.** For Puppies, Dogs, Foxes and Cats. 50 cts.
- Tetrachlorethylene Capsules.** For Hook Worms and Round Worms in Puppies, Dogs, Foxes and Cats. 50 cts.
- Condition Pills.** Stimulant, Digestive, Appetizer, Tonic. 50 cts.
- Iron Tonic.** Tonic, Appetizer, General Stimulant for Puppies, Dogs and Cats. 50 cts.
- Digestive Pills.** Soothing to the Stomach and Intestines, Stimulates Digestion. 50 cts.
- Laxative Pills.** For Sluggish Bowels and Acute Constipation. 50 cts.
- Diarrhea Mixture.** To check Looseness of the Bowels from Simple Inflammations and Improper Feeding—For Dogs and Cats. 50 cts.
- Compound Sulphur Tablets.** Act upon the Kidneys and Intestines. 50 cts.
- Nerve Sedative.** For Fits and Convulsions in Puppies, Dogs and Cats. 50 cts.

### FOR EXTERNAL USE

- Mange Medicine Sarcotic.** Antiseptic and Germicide, also a Local Application for Eczema. 65 cts.
- Kennel and Flea Soap.** A Bath Soap for the Coat. Kills Fleas and Lice. 25 cts.
- Medicated Soap.** A cleansing Bath Soap for House Dogs. Gives a Glossy Coat. 30 cts.
- Cresol Disinfectant.** Refined and six times stronger than Carbolic Acid. Antiseptic, Germicide, Insecticide, Deodorant. 50 cts.
- Flea and Insect Powder.** 100% Pyrethrum Flowers. No Filler added. Non-Poisonous. 50 cts.
- Liniment.** For Muscle Soreness, Stiffness and Sprains of Dogs. 50 cts.
- Sore Foot Medicine.** For Dogs. Specially recommended for Hunting Dogs. 50 cts.

ASK FOR FREE DOG BOOK

## Sergeant's Dog Medicines

- Sure Shot Capsules.** 50 cts.
- Puppy Capsules.** 50 cts.
- Sure Shot Liquid.** 50 cts.
- Skip-Flea Soap.** 25 cts.
- Tape Worm Medicine.** 50 cts.
- Sure Shot Flea Powder.** 25 cts.

- Spohn's Distemper Compound.** 60 cts.
- Spratt's Cat Worm Capsules.** 50 cts.
- Spratt's Cleaning Powder for Dogs and Cats.** 30 cts.
- Pulvex Flea and Lice Powder.** 25 cts. and 50 cts.
- Sopex Animal Shampoo.** 50 cts.
- Bee Brand Shampoo.** Lathers, cleans. 30 cts.
- Pulvex Dog Soap.** 50 cts.
- Supercedar Kennel Bedding.** 5 lbs. 40 cts.

### SPRATT'S DOG MEDICINES

- Tonic and Condition Tablets.** 15 cts. and 50 cts.
- Sulphur Tablets.** 50 cts.
- Large Round Worm Capsules.** 15 cts. and 50 cts.
- Round Worm Capsules** for Puppies. 15 cts.
- Laxative Tablets.** 15 cts.

## Cat Food and Supplies

- Kit-E-Ration,** a canned food. 15 cts.
- Spratt's Cat Food,** a complete food. 30 cts. box.
- Catnip Mice.** 10 cts.
- Catnip Leaves.** 10 cts.
- Spratt's Dry Cleaning Powder.** 30 cts.
- Pulvex Flea Powder.** 50 cts.
- Flea Combs.** 65 cts.
- Grooming Brushes.** 45 cts. and 55 cts.
- Collars with Bells.** 25 cts.
- Sleeping Baskets.** \$2.25 and \$2.50.

### SPRATT'S CAT MEDICINES

- Capsules** for large round worms. 15 cts.
- Tablets** for Constipation. 15 cts.
- Capsules** for Round Worms for Kittens. 15 cts.
- Tonic and Condition Tablets.** 15 cts.

Complete line of Dog Collars, Harness, Leads,  
Blankets, Combs and Brushes.

### GAINES MEAT AND MILK MEAL

#### Complete Dog Food

5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.10, 100 lbs. \$6.00.

#### GAINES KRUNCHONS

5 lbs. 65 cts., 10 lbs. 95 cts., 25 lbs. \$1.80, 50 lbs. \$3.35, 100 lbs. \$6.50.

- Strongheart Canned Beef.** 10 cts. can.
- Ken-L-Ration Canned Meat.** 15 cts. can, 2 for 25 cts.
- Pup-E-Ration Canned Meat.** 15 cts., can.
- Kib-E-Ration Canned Meat.** 15 cts. can.

### PRATT'S DOG FOOD (CUBED)

Complete food—clean and easy to feed. Cuts feed cost one-half. 5 lbs. 45 cts., 10 lbs. 80 cts., 25 lbs. \$1.65, 50 lbs. \$3.10, 100 lbs. \$6.00.

### CHAAPEL'S DOG BISKIT

#### The Cakes of Energy

#### KEN-L-BISKIT

#### KIB-L-BISKIT

#### PUP-E-CRUMBLES

5 lbs. 55 cts., 10 lbs. \$1.00, 25 lbs. \$2.15, 50 lbs. \$4.10, 100 lbs. \$8.00.

### BENNETT'S MILK BONE DOG AND PUPPY FOOD

Small carton 15 cts., large 35 cts.

### PASCO DOG FEED

#### For Dogs and Puppies

It contains meat, milk, vegetables, cereals and cod liver oil. Properly balanced for growth, conditioner and health. 5 lbs. 35 cts., 10 lbs. 65 cts., 25 lbs. \$1.40, 50 lbs. \$2.75, 100 lbs. \$5.25.

### SPRATT'S DOG FOODS

- Fibo**
- Ovals.** Plain with cod liver oil.
- Ovals.** With charcoal.
- Challenge Terrior Meal.**
- Cod Liver Oil Biscuits.**
- Puppy Meal.**

Ask for Prices



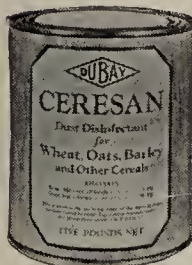
# INCREASE Crop PROFITS by Stopping Disease Losses with DUBAY DISINFECTANTS

## New Improved CERESAN—for Seed Wheat



New Improved Ceresan effectively controls bunt or stinking smut of wheat, and seedling blight caused by seed-borne scab. Only  $\frac{1}{2}$  ounce of dust is used, costing  $1\frac{7}{8}$  to  $2\frac{1}{2}$  cents a bushel of seed. It is easily and quickly applied in a rotary treater or with the shovel. It is non-injurious to the drill and does not retard flow of seed through the drill. It increases wheat profits by reducing losses from smut and dockage. Prices: 1 lb. 75 cts., 5 lbs. \$3.00.

## CERESAN—for Grains, Flax and Peas



Ceresan effectively controls seed-borne stripe disease and covered smut of barley; smuts of oats; kernel smut of sorghums; millet smut; certain flax diseases; and reduces foot rot diseases of peas. It usually increases yields and profits through preventing diseases. No soaking or wetting—dust only 3 ounces on a bushel of seed barley, peas or oats; and 2 ounces on flax, millet, or sorghums. Prices: 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$12.50.

## Improved SEMESAN BEL—for Potatoes



Seed potato treatment will bring you more profit than ever before. Improved Semesan Bel gave an average increase in yield of 35.4 bushels of potatoes an acre, on six farms by controlling seed-borne scab and Rhizoctonia, reducing seed rotting and improving stands. This quick dip costs  $1\frac{1}{2}$  cts. to 3 cts. per bushel of seed. One pound treats 60-80 bushels of seed. Prices: 4 ozs. 50 cts., 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25.

## SEMESAN JR.—for Field and Sweet Corn

Four bushels more corn can be expected by any farmer that treats his seed corn. Experiment Station tests show. Field or sweet seed corn dusted with Semesan Jr. is protected from seed-borne Diplodia, Gibberella, and Basiporium root rots; and from rotting in cold, wet soil. It gives better stands, and larger yields of improved quality. Use 2 ounces a bushel. Costs  $2\frac{1}{2}$  cts. to 3 cts. an acre. Prices: 4 ozs. 50 cts., 1 lb. \$1.50, 5 lbs. \$7.00.



## SEMESAN—for Flower and Vegetable Seeds

Prevent seed rotting under unfavorable soil conditions, also certain seed-borne diseases, that reduce stands, lower yields and quality—by treating all seed, bulbs or corms with Semesan before planting. It is harmless to the seed, but deadly to disease organisms. It costs from  $\frac{1}{4}$  ct. to 1 ct. a pound of seed. One ounce treats 15 lbs. of seed. Effective in controlling damping-off and gladiolus diseases such as hard rot and scab. Prices: 2 ozs. 50 cts., 1 lb. \$2.50, 5 lbs. \$11.75.



## DU BAY FUNGICIDES—for Brown Patch

Both Semesan and Nu-Green have been used for years by hundreds of golf-courses as the most effective and practical treatments yet devised for preventing and controlling brown patch. Both are easily applied in liquid form with any convenient type of sprayer. 1 lb. of Nu-Green treats 1,000 to 2,000 square feet of turf and 1 lb. of Semesan treats 1,000 to 3,000 square feet. Nu-Green prices: 3 ozs. 50 cts., 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$30.00, 100 lbs. \$115.00, 300 lbs. \$330.00.



# Premier Swedish Peat Moss

## HORTICULTURAL

### NEW—DIFFERENT—BETTER

$\frac{1}{2}$  Bale \$2.00, 1 Bale \$3.50

Just as Nature provides that England should be famous for its woollens, France for its wines and Germany for its beer, so is Sweden favored as the **natural** source of the finest peat moss.

The superiority of the Swedish product is primarily due to the vigorous frost-action of the Swedish winters which breaks down the cell structure of the peat moss in such a way that it becomes, over a long period of years, exceptionally light, spongy and porous . . . capable of absorbing large amounts of moisture.

To these natural advantages, the Premier Swedish Peat Moss Mills add a careful processing—thorough drying, grinding, shredding and grading—which insures a uniform texture and a peat moss loose and easy to handle, free of lumps and which will not cake in the bale—a great saving of time and labor.

Then, too, Premier Swedish Peat Moss is **thoroughly vacuum cleaned, by a special process (patent pending) which removes excessive dust and dirt so that you pay nothing for refuse.**

But that's not all. Premier Peat Moss also proves more economical because you get more **bulk** for less money. Our bales measure a **full** 12 cubic feet each.

## SWEDEX

### A SUPERIOR PEAT MOSS

$\frac{1}{2}$  Bale \$2.10, 1 Bale \$3.75

This new superfine Swedish Peat Moss is 25 times finer in texture than our regular Premier Garden Peat which means:

- 1—That it is more readily incorporated with the soil.
- 2—That it is peculiarly adapted to stimulate fine, dense root systems.
- 3—That it is specially desirable for top dressing lawns as it works its way so quickly into the turf.
- 4—That it is particularly useful in pots, seed flats, hot beds, cold frames and wherever else fine seeds are planted.

Due to special manufacturing conditions, we are now able to offer full-size and half-size bales of this free flowing, extremely fine SWEDEX at only a slight increase in price over regular Premier Garden Peat.

Whether you grow plants for pleasure or for money—whether you have acres of grounds or only a small plot—whether you are an amateur gardener or a professional horticulturist, you have only to give Premier Swedish Peat Moss (SWEDEX or GARDEN grade) a trial to be amazed and delighted with the results.



# Pratts,

## America's Quality Feed Line

Vitamin-Complete

**"Extra Profit in Every Bag"**

### Pratts Buttermilk Baby Chick Food



Give your chicks a flying start in life. Probably more Poultrymen have used Pratts Buttermilk Baby Chick Food than any other one commercial feed,—and there's a reason. It grows more chicks,—better chicks—and for a lot less money. Pratts is the original baby food for chicks. Why be satisfied with an imitation when the original costs no more?

### Pratts All-Mash Chick Starter

A complete food that leaves nothing to chance. Every nourishing ingredient, vitamin and mineral needed by even the most delicate chick is right in the bag. No scratch grains need be fed. Just keep the hoppers full at all times and even timid, backward chicks will thrive and grow on Pratts All-Mash Chick Starter.

### Pratts Buttermilk Growing Mash

(Mash or Pellets)



Keep your young birds growing every minute, developing rugged health and sturdier egg organs. Feed Pratts Buttermilk Growing Mash and fit your pullets for heavy laying that will mean dollars for you during the high priced egg months. Pratts Buttermilk Growing Mash will do all this and bring your pullets into lay weeks earlier.

### Pratts Buttermilk Laying Mash

(Mash or Pellets)

America's greatest egg maker,—that's Pratts Buttermilk Laying Mash. Pullets fed on Pratts continue to develop while laying. Hens maintain weight and health during the heaviest egg laying strain.

Can be supplied either in mash or pellet form. The hard grain like pellets cuts feed bills 10% to 30% by saving the vast amount of feed ordinarily spilled from the hoppers by hens.



### Cak-Cak Laying Mash

(Mash or Pellets)

A mighty good laying mash selling at a very low price. It is made by Pratts—that guarantees its quality and ability to produce more eggs.

### Pratts Scratch Feeds

Made of wholesome, selected grains, full of energy that keep growing birds and layers thriving. There is a special Pratt Scratch Feed for all the various stages of poultry development. Ask for prices.

### Pratts Rabbit Pellets

The most popular rabbit feeds on the market. Feed them for health, flesh, fur and profit. The experience of thousands of breeders proves that here is the outstanding feed for rabbits. Pratts Pellets come in two formulas, one with enough hay for the rabbits daily needs, the other to be fed with hay. Ask for Pratts Complete Rabbit Pellets, if you do not want to feed hay. Ask for Pratts regular Rabbit Pellets, if you prefer to feed hay and pellets.



We Carry a Complete Line of Feeds—Prices on Request



# PRATT'S

## REGULATORS and REMEDIES

for  
Poultry and All Livestock

**POULTRY REGULATOR.** Helps hens lay. Increases rate of growth. Makes any mash better. Add 2 lbs. to every 100 lbs. of mash. Costs only a few cents and will bring back dollars of extra profits. Prices: 24 ozs. 25 cts., 4 lbs. 50 cts., 12½ lbs. \$1.50, 25 lb. pail \$2.75.



**ROOST PAINT.** New improved nicotine formula Roost Paint. Kills lice on hens by just painting the roosts. Costs only half as much as nicotine sulphate 40%. 1 quart delouses 1000 fowls. Prices: ½ pt. 75 cts., 1 pt. \$1.25, 1 qt. \$2.00, 1 gal. \$6.00.

**CHICK TABLETS.** Safe guards chick life. Used in the drinking water it kills the specific organism which causes White Diarrhea. Get a box today and stop chick losses. Prices: 25 and 50 ct. pkgs.

**R-P TABLETS.** (Formerly called Roup Tablets). Stop big losses from roup diseases. At the first sign of a cold use R-P Tablets in the drinking water. It kills germs and stops the spread of the disease. Prices: 25 and 50 cts. pkgs.

**POWDERED LICE KILLER.** Kills lice and other parasites on poultry, rabbits, livestock and pets. Comes in a handy shaker can. Prices: 14 oz. can 25 cts., 2 lbs. 50 cts.

**SPLIT-ACTION N-K CAPSULES** (For Poultry Worms). One capsule releases two doses of worm destroying drugs hours

apart, does work of two ordinary worm treatments. Destroys large round, tape and pin worms. Made in adult size and in one size for chicks and pullets. Prices: Adult size, 50 capsules 85 cts., 100 \$1.50, 500 \$5.50; Chick and Pullet, 50 capsules 55 cts., 100 \$1.00, 500 \$3.75.



**POULTRY WORM POWDER.** A one dose flock treatment for large round worms only. Just feed it once in the mash. A cupful worms 100 hens. No handling of birds. Prices: 60 cts. pkg. for 100 hens.

**DISINFECTANT.** A standard coal tar solution such as is recommended by the Government and other authorities. Effective as a disinfectant and deodorant for poultry houses, stables, barns, etc. Also for household use. Prices: 1 pt. 35 cts., 1 qt. 50 cts., 2 qts. 85 cts., 1 gal. \$1.45.

**ANIMAL REGULATOR.** A conditioner that will keep your livestock in the pink of condition. Tones up the system. Builds up disease resistance and enables animals to produce more work for the same feed. Prices: Pkg. 25 cts., 25 lb. pail \$2.75.

**COD LIVER OIL.** Vitamin tested and guaranteed. Provides an effective source of Vitamin D. Prices: 1 qt. 35 cts., 1 gal. \$1.10, 5 gals. \$4.50.

**SPECIAL COMPOUND.** Price: 50 cts. pkg.

**SORE HEAD CHICKEN POX OINTMENT.** Price: 60 cts. pkg.

**"BLACK LEAF 40."** Kills lice. Just paint the roosts. 1 oz. paints 12 ft. roost 35 cts., 5 ozs. paints 65 ft. \$1.00, 1 lb. paints 200 ft. \$2.25, 2 lbs. paints 400 ft. \$3.25, 5 lbs. paints 1000 ft. \$5.85, 10 lbs. paints 2000 ft. \$9.85.

**DR. HESS' POULTRY PANAMIN.** (Formerly Pan-a-cea). A conditioner and mineral supplement put up in 3 lb. packages, 45 cts., 7 lbs. 85 cts.

**DR. HESS' STOCK TONIC.** 5 lbs. 75 cts., 25 lbs. \$3.00.

**GREYLAWN LOUSE POWDER.** For dusting fowls and nests. Also livestock. The most effective lice exterminator in existence. 12 ozs. 65 cts., 22 ozs. \$1.00.

**FLYER'S CONNECTICUT FORMULA.** The Premier Treatment for Enteritis and Paralysis. 15 oz. can 75 cts.

**FLYER'S "ANTI-PICK."** Absolutely stops Cannibalism. 3 ozs. 25 cts., 15 ozs. \$1.00.

**FLYER'S "RAT-O-CIDE."** A Powerful Non-Poisonous Red Squill Exterminator of Rats and Mice. 4 oz. can 50 cts.

**BARKER'S MEDICINAL STOCK POWDER.** Improved chemical and vegetable Horse, Cattle and Poultry Powder. 30 cts., 60 cts., \$1.00 size pkgs. 12 lb. pail \$2.00, 25 lb. pail \$3.85.

**SAL-VET.** The worm destroyer and livestock conditioner without an equal. 5 lbs. 60 cts., 10 lbs. \$1.00.

**GERMOZONE.** The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhea, sore head, gapes, etc. 12 oz. bottle 75 cts., 32 ozs. \$1.50.

**KOW KARE.** The great cow medicine. Large can \$1.00 (postpaid \$1.15), small can 50 cts. (postpaid 60 cts.).

**BAG BALM.** 50 cts. (postpaid 60 cts.).

**GARGET REMEDY.** 60 cts. (postpaid 70 cts.).

**DR. NAYLOR'S MEDICATED TEAT DILATORS.** 1 doz. jars 50 cts. (postpaid 60 cts.), 3 doz. jars \$1.00 (postpaid \$1.10).

**TOXITE.** Disease control spray. Controls Poultry Coccidiosis (Bloody Diarrhea), Round Worms (Ascaridia), and Red Mites which are transmitted by contaminated litter. Money back guarantee. 1 gal. \$1.50. Ask for bulk prices.

**CARBOLA**—The Disinfecting White Paint. For poultry house, stock barns and cellars. Paints and disinfects. Dries white. 5 lbs. 60 cts., 10 lbs. 98 cts., 25 lbs. \$1.90, 50 lbs. \$3.50.

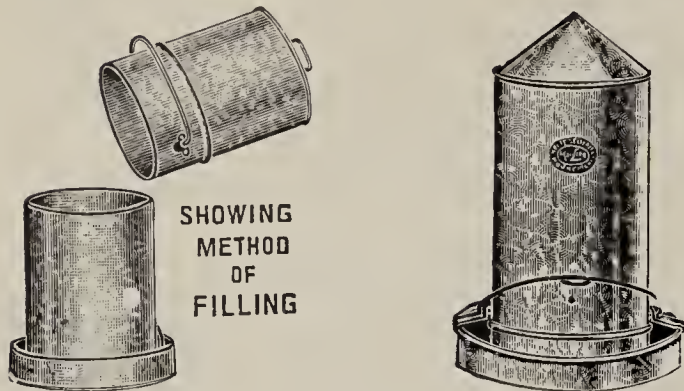


# POULTRY SUPPLIES

## Cleanable Top Fill Fountains

With Cone Tops

284 4 Gallons 11 lbs. Each \$2.25



Top-Fill Fountain, with double walls which keep the water cool in summer and retard freezing in winter. Fills at the top and as easily cleaned as an ordinary pail. Feeds the water automatically, no valves or complicated parts. Heavy galvanized steel, with Round Pan.

## Gem Chick Fountains

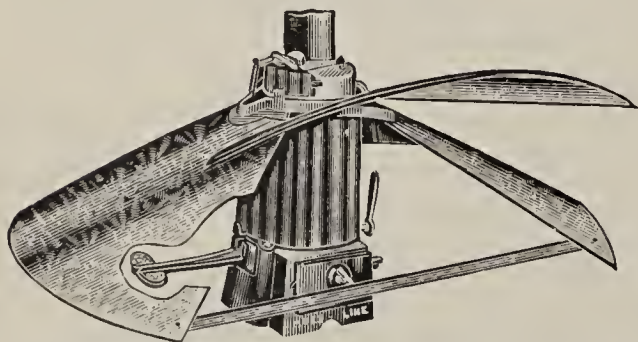


No. 158

A very popular and practical fountain for chicks or grown fowl. Made of galvanized steel, accurately stamped and formed. Easy to fill and clean. The fluted pan is **extra heavy**, and shaped to care for up to 18 chicks at a time without crowding or danger of getting the chicks wet. Diameter of pan, 10 in. Has a substantial top handle for carrying, and may be placed on the floor or hung from the ceiling up out of the litter as desired. In two sizes.

No.	Capacity	Packed	Ship. Wt.	Each
158	1 Gallon	6 in Box	15 lbs.	\$0.50
159	2 Gallons	6 in Box	20 lbs.	.70

## Coal Brooder



Highly efficient and practical brooder or hover, self-regulating. Double Draft check dampers, corrugated fire pot, burns most any kind of fuel, but we recommend hard coal in chestnut size.

The Grate is in two sections, rocker type, center dump, easy to keep a clean, bright fire at all times. The Ash Pit is easy of access. The bottom of the ash pit is raised from the floor and further protected with a pad of asbestos. The fire is automatically regulated by twin thermostats and after adjustment at the beginning of the season needs no further attention.

The Canopy is of heavy galvanized steel with a wide door or panel, hinged at the top, giving easy access to any part of the stove.

The chick capacity ratings are for day old chicks.

Diameter of Hover	Capacity Chicks	Diam. of Fire Pot	Shipping Wt. with Hover	Pipe Size	Price Complete
52 in.	1000	11 in.	121 lbs.	5 in.	\$13.50
56 in.	1200	13 in.	141 lbs.	5 in.	15.50

We also carry Buckeye, Jamesway and Royal brooder as well as a full line of poultry supplies.

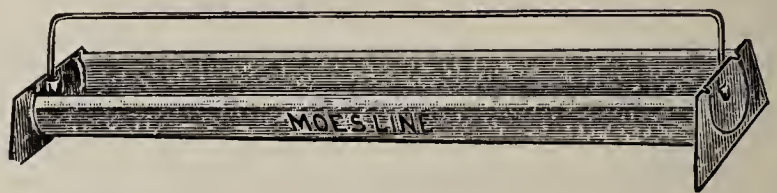
## Leader Chick Feeders



Moe's "Leader" Chick Feeders, made of prime galvanized steel, accurately die stamped. The pan and top are each made of a single piece of metal, no seams or solder used. Sliding top easy to fill and clean. A very satisfactory low priced feeder. Width of trough 4½ in. at top.

No.	Length Over All	Number of Holes	Packed in a Carton	Shipping Weight	Each	Dozen
520	13 in.	16	24	17 lbs.	\$0.10	\$1.20
521	23 in.	32	12	15 lbs.	.20	2.40

## Dixie Chick Feeders



Patented

Made of best quality galvanized steel, accurately stamped with dies. The round troughs are easily filled and cleaned, and have a turned in flange to prevent waste of feed. Width of trough, 3 in.

Fitted with a heavy wire top guard to keep the chicks out of the feeder, and this guard is adjustable so it can be raised as the chicks grow.

They are packed knocked down and nested to save space and freight. Quickly assembled by slipping the end pieces in place. Made in two sizes.

No.	Length Over All	Packed in a Carton	Shipping Weight	Each	Dozen
460	18 in.	12	10 lbs.	\$0.20	\$2.40
462	30 in.	12	16 lbs.	.30	3.60

## Grit Feeders



Heavy galvanized steel, well made. No. 9. Three compartments. Each \$0.85

## Reel Top Chick Feeders



For Chicks and Pullets, with a revolving Reel or Guard, which prevents roosting. The reel is adjustable for height, so it can be quickly raised or lowered as desired, and is easily removed for filing and cleaning. A Sliding Partition is included.

467 36 in. 60 cts.

## Round Mason Jr. Fountain



Made of galvanized steel metal. No seams or solder, and fits Mason jars, sizes 1 pint, 1 quart and 2 quart.

No. 144. (Glass jar not included) . . . . . Each \$0.10



# Berry . Fruit . Garden and Dairy Supplies

**Strawberry Baskets.** 1 qt. size 90 cts. per 100, \$3.00 for carton 500.

**Peach and Tomato Baskets.** 16 qt. size 7 cts. each, 75 cts. per doz., \$5.25 per 1000.

**High Hat Peach Baskets.** 8 qt. 7 cts. each, 60 cts. doz.

**High Hat Peach Baskets.** 4 qt. 6 cts. each, 50 cts. doz.

**Bushel Baskets, Round Bottom.** \$1.50 per doz., \$10.50 per 100.

**Bushel Basket Tubs.** \$1.60 per doz., \$11.50 per 100. (Covers extra).

**Tills.** 4 qt. Pansy Baskets 3 cts. each, \$4.00 for 200.

**Tills.** 2 qt. Pansy Baskets 3 cts. each, \$4.00 for 200.

**Hot Kaps.** For early forcing. 100 including setter \$2.50 (postpaid \$2.65), 250 including setter \$3.75 (postpaid \$3.80), 1000 for \$10.25 (postpaid \$10.60).

**Cel-O-Glass.** For hotbed coverings and poultry buildings. \$1.25 per sq. yd., 5 yds. or more \$1.22 per yd. Postage 1 yd. 10 cts., each additional yd. 2 cts.

**Glass Cloth.** 35 cts. per sq. yd., 10 yds. or more 30 cts. per yd.

**Celery Cuffs.** For blanching celery. 20 cts. per doz., \$1.25 per 100, \$10.00 per 1000.

**Wire Stake and Label Holder.** 20 in. galvanized. 30 cts. per doz., \$2.25 per 100.

**Plant Labels.** Waterproof cloth. 6 in. 20 cts. per doz., \$1.40 per 100.

**Tree Labels.** Copper wired, plain. 40 cts. hundred, \$2.90 thousand.

**Pot Labels.** Plain 4". 35 cts. hundred, \$2.50 thousand.

**Japanese Cane Stakes.** These are very attractive for all purposes of plant staking, thin and very strong. 3' green, 25 cts. dozen, \$1.25 hundred, \$7.00 thousand. 6' natural, 45 cts. dozen, \$2.00 hundred, \$12.00 thousand.

**Mulch Paper.** 18" wide, 300 yards long, \$3.00.

**Aluminum Egg Boxes.** For shipping by Parcel Post. 1 doz. size \$1.00, 2 doz. size \$1.50, 3 doz. size \$1.75, 4 doz. size \$2.00, 6 doz. size \$2.50.

**Egg Cartons.** Hold 1 dozen. Size 3 x 4, 250 for \$1.90.

**Acme Egg Grading Scale.** Will accurately grade all eggs from 16 ounces per dozen to 32 ounces. Each \$2.35. Sent postpaid when remittance accompanies order.

**Mascot Egg Grading Scale.** Durable, dependable, quick and accurate. Dial 4 inches wide, calibrated in half ounces from 16 to 32 ounces per dozen. Each \$1.35 Postpaid.

**Lawn Edger—Sod Cutter.** \$1.25.

**Garden Hoe.** Small 75 cts., large \$1.00.

**Leaf Rakes.** Steel \$1.00.

**Leaf Rakes.** Bamboo 25 cts.

**Cemetery Vases.** 10 cts. each.

**Dibbles.** For transplanting plants. Brass point 90 cts. Steel point 70 cts.

**Planet Jr. Garden Tools.** Illustrated catalogue on request.

**Barker Weeders and Cultivators.** Ask for catalogue.

**Power Cultivators, Gravelly.** Catalogue on request.

## Dairy Supplies

**Milk Bottles.** Quarts, 80 cts. per doz., \$8.00 per gross; pints, 65 cts. per doz., \$6.10 per gross; ½ pints, 55 cts. per doz., \$5.10 per gross; 10-gross lots, 25 cts. less per gross; 25-gross lots, 50 cts. less per gross. Name Plates on milk bottles, \$2.50 for each size.

**Milk Bottle Caps,** in Tubes of 500, 35 cts. (postpaid 45 cts.). Quantity price on application.

**Milk Bottle Cases.** Quart Standard (holds 12) \$1.60; Pint Standard (holds 20) \$1.65; ½-Pint Standard (holds 20) \$1.75.

<b>Milk Cans</b>	20-qt.	30-qt.	40-qt.
<b>New York Pattern</b> . . . . .	\$3.60	\$4.80	\$4.95
<b>Cleveland Pattern</b> . . . . .	3.60	4.80	4.95

**Milk Pails.** 14-qt. \$1.20, 12-qt. \$1.10.

**Milk Strainers, Lisk Quality Sanitary.** \$1.60.

**Bottle Carriers.** 8-qt. size \$1.20, 6-qt. size \$1.00.

**Cream Separator Cans with Spigot.** 20-qt. \$2.35.

**Rubber Aprons, Extra Heavy.** \$2.00.

**Cotton Pads for Strainers.** 100 postpaid, 70 cts., 300 \$1.85.

**Champion Milk Coolers.** No. 2 \$8.00, No. 3 \$9.60, No. 4 \$12.00.

**Bottle Brushes, Hand.** 10-in. handle, 50 cts.

**Machine.** Short handle, 50 cts.

**Milk-Can Brushes, Jersey Ox-fiber.** 50 cts.

**Gong Ox-fiber.** 50 cts.

**Wyandotte Cleaner and Cleanser.** 5-lb. bag, postpaid 55 cts., keg (80 lbs.) \$4.90.

**Wyandotte Alkali Special Five Star.** 100-lb. keg \$6.15, 375-lb. bbl. \$20.00.

**S-H Sterilizer and Deodorant.** Qt. 90 cts., gal. \$2.00.

**Teat Tubes, German Silver.** 25 cts.

**Specialty Hand Bottle Capper.** \$25 each.

**Wood, Brass-pointed Measuring-stick.** 75 cts. each.

**Milk-stirrers.** 50 cts. each.

## A. I. Root Bee Supplies

### THE ROOT QUALITY

We are distributors for the complete line of Root Bee Supplies and carry very large stocks. We sell at the A. I.

Root prices and give the same discounts to Bee Associations and to authorized dealers that are given by the Company. For quick service send to us. Ask for Bee Catalogue. It is free.



# BIRDS and BIRD SUPPLIES

We carry a full line of Hendrux Cages and Standards which we feel will please the most discriminating people. The prevailing style is colored cages to blend with the household furnishings. Many styles and colors in stock. Prices and descriptions given on application.

SINGING CANARY BIRDS. Every bird is carefully selected for song and satisfaction guaranteed. Birds can be shipped by express only.

Male Choppers .....\$6.00      Hartz Mountain .....\$5.50

Prices subject to change.

## Bird Foods and Remedies

Pulvex Insect Gun and Powder, 35 cts.  
Cage Springs, 15 cts. and 20 cts.  
Cage Hooks, 30 cts. and 35 cts.  
Seed and Water Cups; Opal 15 cts., Non-breakable 25 cts.  
Bird Baths, 10 cts.  
Non-breakable Bath Houses in color, 40 cts. and 50 cts.  
Charm Bells, 10 cts.  
Cuttle Bone Holders, 10 cts.  
Our own selected Mixed Bird Seed, 20 cts. lb., 5 lbs. 75 cts., 10 lbs. \$1.20.  
Silver or Red Gravel, 10 cts. carton.  
German Song Restorer, 25 cts.  
Bird Manna, 15 cts.

Philadelphia Bird Bitters, 25 cts.  
Fullsong Health and Song Restorer, 25 cts.  
Fullsong Bird Peppers, for moulding, cold, and asthma, 25 cts.  
Fullsong Vitamin Seed. Tonic, 25 cts.  
Fullsong Color Food; for pepper-fed birds. 25 cts.  
Full song Feather-pulling Remedy, 25 cts.  
Fullsong Moulting Food. 25 cts.  
Fullsong Regulator. Bird conditioner, 25 cts. and 50 cts.  
Fullsong Nestling Food. 25 cts.  
Fullsong Bird Bitters. Health tonic, 25 cts.  
Fullsong Bird Tonic. Health tonic, 25 cts.  
Fullsong Foot Ease and Scale Remedy, 25 cts.

### PARROT FEED

Sunflower; selected for parrots. Lb. 20 cts., 2 lbs. 35 cts.  
Parrot Food Mixed. 25 cts.  
Parrot Grit, Bone-Builder, 35 cts.  
Parrot Tonic. For cold, 25 cts.

### FISH FOOD

Fish Food Wafers, 10 cts.  
Fish Food, Natural, 10 cts. and 25 cts.  
Turtle Food. Contains ant-eggs, 10 cts.

### CHAAPEL'S MIXED BIRD SEED

Mixed by ourselves from the very best re-cleaned seed obtainable. Containing Canary, Sweet German Rape, Hemp, Niger Thistle, White Lettuce, Flax and Bird Millet.

1 lb. 20 cts., 2 lbs. 35 cts., 5 lbs. 75 cts.  
Postage extra.

## A Name You Can Trust—BURNETT'S

For more than 40 years, the name "Burnett's" has represented the highest quality in foods and remedies for birds and fish. Each Burnett product is guaranteed. Purchase price is refunded if not satisfactory. Here are a few of Burnett's products whose reliability has been proved beyond question.

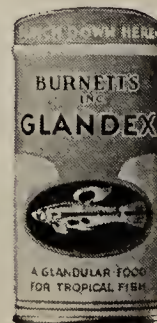


**FOR BIRDS**  
Burnett's Unexcelled Bird Food—Health and song restorer.  
Burnett's Cod Liver Oil Bird Food—Is also a nestling food.  
Burnett's Pep—A tonic food in biscuit form.  
Burnett's Lightning Song Restorer—A condition food.  
Burnett's Moulting Food—Speeds recovery.  
Burnett's Bird Seed—It's ALL seed.  
Burnett's Bird Gravel—Washed, selected.  
Burnett's Bird Wash—Invigorating.  
Burnett's Bird Tonic—Safe, reliable.

Burnett's Bird Salve—Heals sore feet.  
Burnett's Bird Balm—For bald spots.  
Burnett's Mocking Bird Food—For soft-billed birds.

### FOR FISH

Burnett's Glandex—New gland food for Tropicals.  
Burnett's Natural Fish Food—For gold fish.  
Burnett's Tropical Food—A combination food.  
Burnett's In-Sect-O Fish Food—Genuine imported.  
Burnett's Turtle Food—For Turtles, Newts, Chameleons.  
Burnett's Ich & Fungus Tonic & Remedy—New and improved.



32 page, illustrated booklet, "The Care and Feeding of Your Birds and Fish," FREE upon request.



# Progress—Making a Good Food B E T T E R



Every day at the Gaines research kennels, experiments are going on to find new ways of making Gaines Dog Foods better, safer and more economical. During the past year this Research Program has found a way to seal vitamins A, D and G against loss of strength . . . it has disclosed a method of splitting the starch cells of vegetables and cereals—giving dogs and puppies better nourishment at less cost.

Enjoy these advantages NOW. Put dogs in condition quickly. Get better litters. And, incidentally, reduce your feeding costs to new lows.

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